

REPORT  
OF THE  
Twenty-seventh Industrial Exposition  
Mechanics' Institute

SAN FRANCISCO

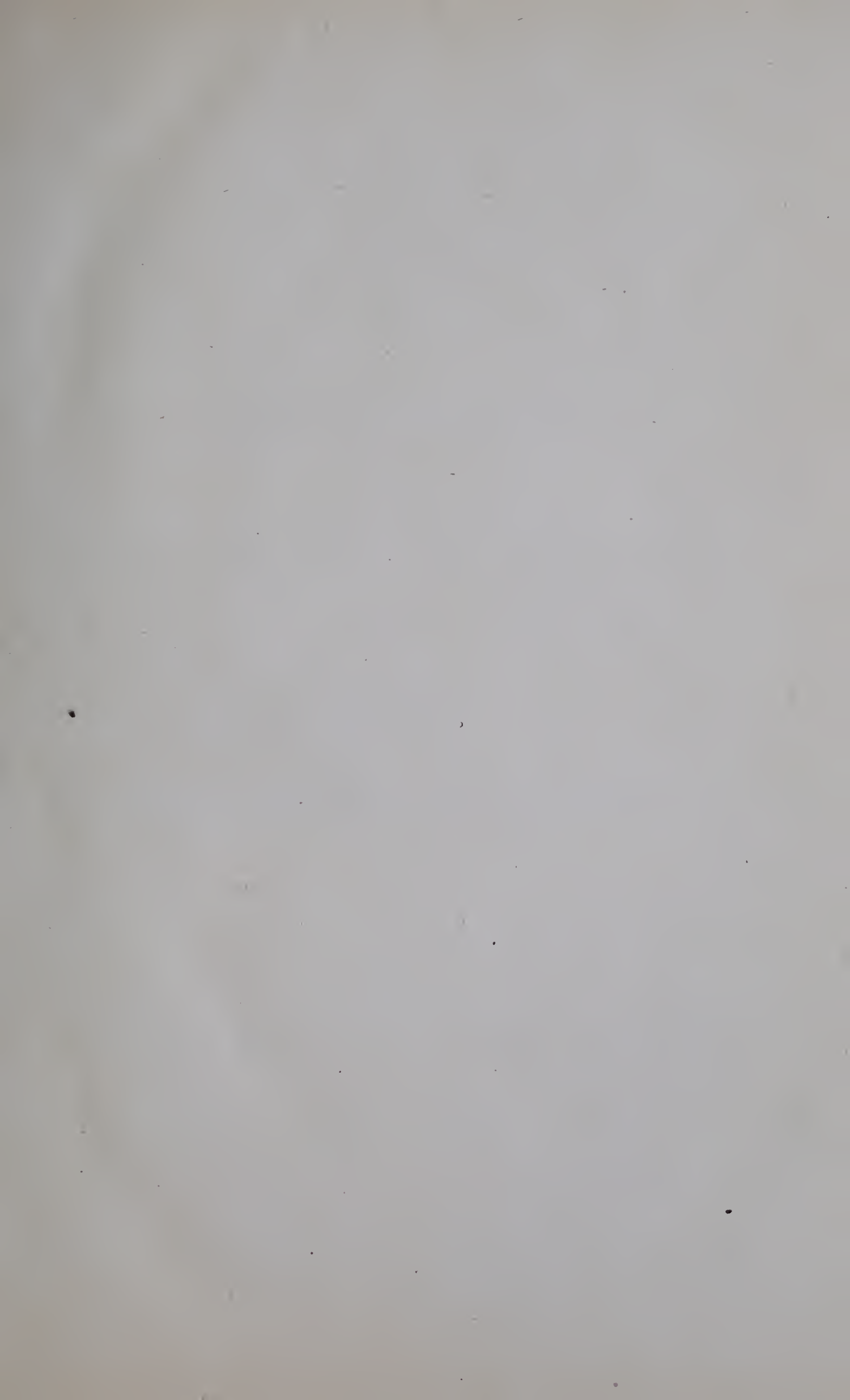
1893













REPORT  
OF THE  
TWENTY - SEVENTH  
INDUSTRIAL EXPOSITION  
OF THE  
MECHANICS' INSTITUTE  
AND  
PRELIMINARY WORLD'S FAIR EXHIBIT  
OF CALIFORNIA

*Held at the Mechanics' Pavilion from the 10th Day of January to the  
18th Day of February, Inclusive*





MECHANICS' INSTITUTE.  
Twenty-Seventh Industrial Exposition.  
1893.

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BOARD OF MANAGERS.

IRWIN C. STUMP, <i>President.</i>	FRANK DALTON.
GEO. E. DOW, <i>Vice-President.</i>	A. S. HALLIDIE.
J. K. FIRTH, <i>Treasurer.</i>	A. W. STOTT.
SAMUEL J. HENDY, <i>Recording Secretary.</i>	M. A. DORN.
MARSDEN MANSON, <i>Cor. Secretary.</i>	OSCAR LEWIS.
GEORGE CUMMING.	ANDREW WILKIE.
D. A. MACDONALD.	HENRY T. BUSH.
J. H. CULVER, <i>Secretary.</i>	
H. A. GRAVES, <i>Superintendent.</i>	C. H. CLARK, <i>Agent.</i>

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COMMITTEES.

FINANCE, . . . . .	DALTON, HALLIDIE, DORN
PRINTING AND ADVERTISING, . . . .	HENDY, DALTON, LEWIS
POWER AND MACHINERY, . . . . .	FIRTH, DOW, CUMMING
RULES, REGULATIONS, AWARDS, . .	LEWIS, MANSON, MACDONALD
TICKETS AND ADMISSIONS, . . . . .	DOW, HENDY, WILKIE
MUSIC, DECORATIONS AND ART, . . .	DORN, HALLIDIE, STOTT
PRIVILEGES, . . . . .	HENDY, WILKIE, BUSH
LOCATION AND POLICE, . . . . .	MACDONALD, CUMMING, WILKIE
HORTICULTURE, . . . . .	SCOTT, MANSON, BUSH
SPECIAL EXHIBITS, . . . . .	CUMMING, FIRTH, LEWIS, STOTT



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REPORT OF THE BOARD OF TRUSTEES  
OF THE  
Twenty-Seventh Industrial Exposition  
OF THE  
MECHANICS' INSTITUTE.  
1893

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*To the Members of the Mechanics' Institute :*

It is not with the usual feeling of gratification at the financial result that we present this report of the Twenty-seventh Exposition, as the detailed statement of receipts and expenditures shows a loss of \$2,284 09, which is far different from what we have hoped and earnestly labored for.

The holding of a Fair in mid-winter has not proved a financial success to the Mechanics' Institute.

It was an experiment induced by the earnest request of the State Commission of the World's Columbian Exposition, and the opinion of many of the Directors, as well as a vote of the members of the Institute, and while the financial result is unsatisfactory the exhibition of citrus fruits demonstrates the capacity of the central and northern portion of California to produce such fruit in abundance and of excellent quality.



Past experience points to the advantage of holding our Fairs in the fall months, unless there are some strong financial reasons to the contrary.

The Twenty-seventh Exposition was in every way creditable as an Exhibition, and many new features were introduced which were exceedingly attractive, but not sufficient to overcome the disadvantages and extra expense incidental to a mid-winter Fair.

Respectfully submitted,

THE BOARD OF TRUSTEES.

# TREASURER'S REPORT.

*To the President and Board of Managers  
Of the Twenty-seventh Industrial Exposition—*

GENTLEMEN: I herewith present my report of the daily receipts at the ticket office, also a detailed account of the total number of tickets sold, class of tickets, and total receipts from that source:

## DAILY RECEIPTS AT THE TICKET OFFICE.

1893.		SINGLE SEASON.	DOUBLE SEASON.	ADULT DAY.	CHILDREN DAY.	ADULT NIGHT.	CHILDREN NIGHT.	AMOUNT.
January	10.....	35	788			472	34	\$2,267 00
"	11.....	12	386	524	23	620	29	1,434 70
"	12.....	11	347	719	31	829	39	1,492 65
"	13.....	9	290	596	28	1052	96	1,441 70
"	14.....	10	342	1530	481	2252	178	2,495 15
"	16.....	9	185	703	44	1320	79	1,338 10
"	17.....	3	140	959	75	1552	83	1,402 25
"	18.....	7	112	1077	111	1824	117	1,517 65
"	19.....	2	53	1040	86	1864	108	1,367 40
"	20.....	2	55	1074	138	1946	209	1,454 95
"	21.....	3	61	3004	1234	4464	348	3,419 60
"	23.....	2	42	994	119	1335	102	1,067 35
"	24.....		14	1092	103	1327	113	1,015 20
"	25.....		14	1144	117	1820	140	1,283 55
"	26.....		10	453	31	692	61	504 15
"	27.....	2	12	518	56	1138	148	776 90
"	28.....	1	3	2199	911	3122	282	2,326 90
"	30.....		4	513	38	1030	98	683 45
"	31.....		4	820	108	1157	162	850 20
February	1.....		2	1010	122	610	48	592 80
"	2.....		6	777	102	1624	139	1,071 30
"	3.....		2	810	126	1439	183	991 65
"	4.....		2	1726	669	2898	282	2,056 35
"	6.....		2	1178	189	1573	192	1,162 35
"	7.....			1224	235	1342	131	1,045 00
"	8.....			844	103	1076	141	799 70
"	9.....		1	1102	144	2266	263	1,498 35
"	10.....		1	1839	378	2189	306	1,689 95
"	11.....		1	2631	1053	2591	252	2,176 70
"	13.....			440	50	536	58	400 00
"	14.....			616	66	674	48	512 90
"	15.....			857	104	1184	84	842 85
"	16.....			827	134	1104	99	803 60
"	17.....			1033	214	1503	186	1,088 35
"	18.....			1788	600	2192	239	1,692 75
Total.....		108	2879	37,661	8073	54,617	5077	\$46,563 45

## Account of Tickets Sold.

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### RECAPITULATION.

108 Single Season Tickets at \$1 50.....	\$162 00
2,879 Double " " at 2 50.....	7,197 50
37,661 Adult Day Admissions at 25.....	9,415 25
8,073 Children " " at 15.....	1,210 95
54,617 Adult Night " at 50.....	27,308 50
5,077 Children " " at 25.....	1,269 25
2 Season Checks at 5 00.....	10 00
Sale of Tickets, Employees.....	196 50
" " " Native Sons.....	215 25
" " " University.....	18 50
" " " Excursions N. P. C. R. R.....	496 75
" " " Sundry.....	142 00

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\$47,642.45

Respectfully submitted,

J. K. FIRTH, Treasurer.

## REPORT OF FINANCE COMMITTEE.

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*To the President and Board of Trustees of the Mechanics' Institute:*

GENTLEMEN—We herewith present a report of the Financial matters pertaining to the Twenty-seventh Industrial Exposition.

### EXPENDITURES :

#### ADVERTISING—

A. Patria.....	\$ 5 00
Abend Post.....	10 00
Argonaut.....	10 00
Building Publishing Co.....	5 00
Bulletin.....	179 75
Call (Morning).....	284 36
California Demokrat.....	10 00
California Journal.....	5 00
California Voice.....	5 00
California Volksfreund.....	3 00
Carrier Dove.....	5 00
California World.....	5 00
Christian Advocate.....	3 00
Chronicle, S. F. . . . .	486 50
City Argus.....	5 00
Commercial Record.....	5 00
Daily Report.....	291 00
De Troost.....	16 00
Examiner (Daily).....	500 50
Fair Daily.....	50 00
Figaro.....	12 50
Francis & Valentine.....	30 00
Fruit Grower.....	5 00
Goldstein Bros.....	5 00
Hayes Falley Advertiser.....	5 00
Hebrew.....	5 00
Herald of Trade.....	5 00
Hotel Gazette.....	30 00
Hotel Guide.....	5 00
Horn Hong.....	11 00
Illustrated Publishing Co.....	30 00

Jewish Progress. ....	\$5 00
Jewish Times. ....	5 00
Journal of Commerce. ....	30 00
L'Elvezia. ....	5 00
L'Italia. ....	15 00
La Voce Del Popolo. ....	10 00
Le Franco-Californien. ....	15 00
Mining and Scientific Press. ....	10 00
Mission Journal. ....	4 00
News Letter. ....	10 00
Oakland Enquirer. ....	25 00
Oakland Times. ....	40 00
Oakland Tribune. ....	40 00
Occident. ....	3 00
Pacific. ....	3 00
Pacific Railroad Publishing Co. ....	10 00
Pacific Rural Press. ....	10 00
Pacific States Watchman. ....	6 00
Pacific Methodist. ....	3 00
People's Press. ....	4 00
Park News. ....	5 00
Post (Evening). ....	303 00
Public Opinion. ....	5 00
Railway Guide. ....	5 00
S. F. Bill Posting Co. ....	30 85
Shipping and Hotel News. ....	10 00
Theatrical Publishing Co. ....	25 00
Town Talk. ....	4 00
Trestleboard. ....	5 00
Wave. ....	10 00
Wasp. ....	10 00
Weekly Gazette. ....	5 00
Weekly Star. ....	5 00
Western Soldier. ....	5 00
Wood and Iron. ....	5 00

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\$2,713 46

## AQUARIUM—

Bay City Iron Works, Fish-tanks, Glass, etc.,	\$820 00
Burke, Rock and Gravel. ....	14 00
Central Hardware & Tool Co., Hardware...	25 18
Central Mill & Lumber Co., 19 Lumber and Mill Work. ....	192 07



## FINANCIAL REPORT.

9

Chatain & Gilletti, Concrete Work.....	\$157 50
Cronan, Wm., Plumbing.....	4 05
Cumming, Geo., Machine Work and Material	17 95
Duffey Bros., Iron Work.....	232 45
Dunham, Carrigan & Hayden Co., Water- pipe, etc.....	21 84
Elder & Drever, Cloth .....	20 48
Fink & Schindler, Lumber and Labor.....	4 50
Fish Commissioners of the State of California, Expenses in obtaining Fish... ..	425 00
Foley, M., Gravel.....	3 25
Garratt & Co., Brass Work.....	34 75
Gruenhagen, C. H., Wire Guard.....	26 00
Hopps & Sons, Painting .....	61 00
Isaacs A., Labor.....	28 00
Koppitz, Geo. H., Expense Obtaining Fish	19 50
Larsen, F., Labor... ..	8 00
Lewin R., Blacksmithing.....	37 15
Montague, W. W. & Co., Repairing Fish Cans .....	1 25
National Ice Co., Ice.....	26 65
Neville & Co., Netting.....	1 00
O'Brien, J. J., Cloth.....	1 00
Otterbeck, E. E., Moving Stone.....	10 00
Paladini, A., Terrapins .....	12 00
Pay Roll, Workmen.....	254 25
Redington & Co., Alum.....	3 40
Reilly Chas. J., Pipe Fittings and Labor....	62 50
S. F. Novelty & Plating Works, Plating Railing, etc.....	50 00
Secretary, Petty Expenses.....	2 35
Starbird, C. H., Petty Expenses .....	1 65
Webber, Andrew, Meat for Fish.....	16 20
Wells Fargo & Co., Expressage.....	5 00
Whittier, Fuller & Co., Paints, etc.....	20 72

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 \$2,620 64

## ART DEPARTMENT—

Bennett Bros., Hardware... ..	\$ 3 50
Bogart & Son, Hardware.....	1 60
Bush, Norton, Salary as Superintendent, and Petty Cash.....	260 00
Childs, Geo., Insurance on Pictures.....	783 65

Hopps & Sons, Decorating, etc .....	\$ 5 00
Klinkner & Co., Rubber Stamps.....	1 00
Leopold, C. M., Cartage on Pictures.....	148 25
Osborn, R. F., Hardware.....	8 85
Pay Roll, Workmen Hanging Pictures.....	105 00
Perry, S. A. & Co., Hardware.....	1 40
Plum, C. M. & Co., Tacks.....	45

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\$1,318 70

## BUILDING—

Bass Hueter Paint Co., Paints and Oils. . .	\$ 12 40
Cameron, A., Wood-turning and Material..	51 90
Central Hardware and Tool Co., Hardware.	55 17
Central Lumber & Mill Co., Lumber.....	277 68
Chatain & Gilletti, Concrete Work.....	62 50
Crane Co., Pipe Fittings.....	70
Cronan Wm., Shingle Flashings.....	15 00
Dunham, Carrigan & Hayden Co., Hardware	7 85
Fish, G., Whitening.....	21 00
Fraser & Keefe, Painting and Whitening..	50 75
Gladding & McBean, Fire Brick and Clay.	2 50
Hagman, C. F., Glass and Labor....	10 05
Hopps & Sons, Painting.....	73 25
Joost Bros., Hardware.....	15 75
Katz, Chas., Glass and Glazing.....	130 50
Kemp, Joseph, Lumber and Mill Work....	11 50
Lewin, R., Blacksmithing.....	19 80
McCarthy, Chas., Sewer Pipe.....	4 75
McLaughlin, R. A., Gas Fitting.....	1 10
Patterson, Wm., Lumber, Hardware and Labor.....	431 20
Pay Roll, Workmen .....	892 80
Quadt, John, Mouldings.....	8 75
Starbird, C. H., Petty Expenses... ..	3 25
Starbird & Goldstone, Lumber....	10 67
Strauss, Levi & Co., Cloth.....	66 15
Whittier, Fuller & Co., Paints.....	9 67

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\$2,254 64

## DECORATIONS—

Crockford, Chas., Garlands.....	\$157 50
Hopps & Sons, Painting and Decorating...	14 595
Northern Citrus Fair Association, Garlands	55 00

## FINANCIAL REPORT.

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Pay Roll, Workmen.....	\$229 50
Strauss, Levi & Co., Cloth.....	315 96

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 \$901 91

## EXPENSE—

Ahlbach & Son, Damage to Exhibit.....	\$ 35 00
Alameda World's Fair Association, Freight on Exhibits.....	30 75
Allan, B. F., Freight.....	78 28
Anderson, Miss Joey, Freight.....	1 69
Armes & Dallam, Brooms and Brushes.....	11 00
Baldwin Theater, Rent for Opening Exercises .....	100 00
Boecher, J., Mail Box.....	5 25
Buchanan Bros., Brushes and Dusters.....	33 00
Bush, Norton, Petty Expenses.....	3 71
Butte County, "Rock of Ages" and other Expenses.....	315 00
Cal. Transfer Co., Cartage on Exhibits....	153 46
California World's Fair Association, Freight	2 00
Chaffee, W. H., Freight.....	5 45
Clark, C. H., Petty Expenses.....	117 05
Crane Co., Sink.....	1 44
Dalton Bros., Oranges.....	8 00
Delecatessen, Supplies for Press and Jurors	8 35
Demertini Protesilaomedia, Removing Rub- bish.....	74 00
Duffy James, Repairing Ceiling.....	30 00
Engleberg's Bakery, Supplies for Press and Jurors.....	116 70
Evans, J. G., Glassware.....	1 50
Firth, J. K. & Co., Repairing Vault.....	6 15
Fleismann & Co., Ducks.....	15 00
Furlong, T. N., Rent of Show Case.....	3 00
W. B. Gester, Freight.....	156 82
Goldberg, Bowen & Co., Supplies for Press and Jurors.....	18 10
Graves, H. A., Petty Expenses.....	30 80
Gregg, Frank, Sawdust.....	10 00
Hall, Thomas B., Freight.....	8 65
Hall Safe & Lock Co., Changing Combina- tion on Safe.....	2 50
Hermann, C., Hats for Watchmen.....	30 50

Herrick, R. F., Freight.....	\$ 71 46
Hoffman, Dahl & Co., Rent of Show Cases	109 50
Holbrook, Merrill & Stetson, Repairing	
Ticket box .....	1 00
Hopps & Sons, Painting Signs, etc.....	135 30
Howard Quartette, Singing at Opening Ex-	
ercises .....	20 00
Hudson, Dr. J. W., Freight.....	4 16
Hulacek, Wm., Lost Pictures.....	20 00
Jones, A. F., Freight.....	142 49
Jones, Robert, Freight.....	97 58
Kahn, H. & Co., Thermometers.....	6 00
Klein & Co., Electric Apparatus.....	14 50
Klinkner, C. A., Rubber Stamps.....	6 00
Kohler & Chase, Rent of Piano.....	6 00
Lounibos, J., Supplies for Press and Jurors	32 40
Lyons, Miss Nina, Services at Opening Ex-	
ercises.....	20 00
Madden, J. F., Freight.....	1 49
Manson, Marsden, Model of the Geysers...	14 20
McCord, Alex., Horse-hire.....	16 00
Montague, W. W. & Co., Gas Stove.....	9 90
Morganthal, A., Rent of Office in Flood	
Building.....	120 00
Muirhead, John, Supplies for Press and	
Jurors.....	20 50
Northern California Citrus Fair Association.	
For their Exhibit.....	5,000 00
O'Connor, Moffatt & Co., Linen.....	10 00
Olympic Club, moving Apparatus .....	3 00
Otterbeck, E. E., moving Statue .....	30 00
Owens, J. B., Coal Oil.....	1 00
Pacific Telephone Co., Rent and Service...	118 50
Plum, C. M. & Co., Matting and Thread...	53 70
Progressive Window Cleaning Co. Clean-	
ing Windows .....	50 00
Redington & Co., Toilet Paper.....	12 00
Rhea, Miss Lizzie, Reporting Opening Ex-	
ercises .....	4 50
Robinson, A. C., Gold Fish, Birds and Seed	21 15
Russell, Catherine, Lost Exhibit.....	15 00
Sanborn, Vail & Co., Glass.....	1 20
San Luis Obispo County, Freight.....	78 62



Schultz, Mrs. Martin, Services at Opening Exercises.....	\$ 20 00
Schmid, Rupert, Rocks for Geyser.....	50 00
Secretary, Sundry Expenses.....	65 20
Sherwood Hall Nurseries, Floral Decorations.....	400 00
Simpson, W., Hardware.....	50
Skinner, R. W., Freight... ..	2 45
Spaulding, J. Co., Carpet Beating.. . . .	4 80
Starbird, C. H., Petty Expenses.....	13 25
Swain's Bakery, Supplies for Jurors.. . . .	9 70
Sweet, T. G., Horse-hire.....	2 00
Taylor, S. S., Freight....	1 40
Techau, R. J., Supplies for Press and Jurors	6 50
Tincker, Miss Pearl E., Delsarte Exhibit...	40 00
Turrill, C. B., Sundry Expenses as Agent..	142 00
United Carriage Co., Carriage hire.....	7 00
Union Iron Works, Freight on Models of Cruisers Monterey and Charleston.....	181 50
Warner, John, Cartage on Plants.....	1 50
Warnen, C. A., Hauling Dirt.....	8 00
Will & Finck, Keys and Ticket Punches...	27 90
Woodson, W. J., Freight .....	3 19

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\$8,668 19

## LIGHTING—

Bush & Mallett, Gas-fitting Material.....	\$117 03
Crane Co., Gas-pipe, Fittings, etc.....	119 64
Dunham, Carrigan & Hayden Co., Hardware	25 47
Edison Light & Power Co., Electric Light.	653 70
International Electric Works, Incandescent Lighting.....	3,196 75
Lewin R., Blacksmithing.....	1 75
Pacific Gas Improvement Co. 1,708,700 ft.	
Gas @ \$1.80 per M.....	3,075 66
Pay Roll, Gas-fitters.....	629 25
S. F. Gas Light Company, 2,500 ft. Gas, @ \$2 00 per M....	5 00
Whitter, Fuller & Co., Alcohol.....	14 50

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\$7,838

## MACHINERY—

Black Diamond Coal Co., 123 (1940-2240), tons Green River Coal. at 6.25 per ton.	\$774 15
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Cumming, Geo., Machine Work.....	\$ 6 50
Ensign & McGuffick, Machine Oil.....	18 00
Finck & Schindler, Lagging, Shafting, etc.	12 00
Firth, J. K. & Co., Machine Work.....	62 87
Goodyear Rubber Co., Belting.....	2 55
Huntington-Hopkins Co., Machine Fittings	30 25
Joshua Hendy Machine Works, work on Engine.....	85 00
McCoy, Daniel, moving Blower from Alameda	30 00
McNichol. A. J., Repairing Elevator.....	41 40
Pacific Tool and Supply Co., Machine Sup- plies.....	39 45
Payne's Bolt Works, Bolts, etc.....	17 32
Pay Roll, Labor, etc.....	103 50
Royer, H., Belting.....	332 55
Zitt, F., Painting Smoke Stack.....	10 00

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\$1,565 54

## MECHANICS' INSTITUTE—

50 per cent on Season Tickets.....	\$1,755 00
Bills paid for Pavilion account.....	69 86

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\$1,824 86

## MUSIC—

Casassa, Chas. H., Music, 5 5-6 weeks, as per contract.....	\$7,098 00
Chinese Imperial Band, Music one evening	24 00

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\$7,122 00

## PREMIUMS—

Bryant, M. B., Medals.....	\$ 436 00
Britton & Rey, Diplomas.....	80 00
Cash Awards: Natural Products \$5,465; Art Exhibit \$690.....	6,155 00
Cal. Jewelry Co., Medals and Engraving..	1,507 61
Thors, Sam., Engrossing Diplomas.....	18 12

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\$8,196 73

## PRINTING—

Bancroft Co., Envelopes and printing same	\$ 17 75
Carson, S. & Co., Cards.....	4 50
Crocker, H. S. Co., Cards.....	23 00
Cubery Co., Cards, Dodgers, Tags, etc....	224 00

## FINANCIAL REPORT.

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Francis, Valentine & Co.....	\$115 80
Galloway, Letterheads and Tickets.....	32 75
Hinton Printing Co., Report of Exhibition	231 00
LeCount Bros., Cards.....	20 00
Murdock, C. A. & Co., Tickets.....	54 50
Payot, Upham, & Co., Cards.....	1 40
S. F. Printing Co., Preliminary Circulars, etc.....	71 50
Shephard, J. E., Cards and distributing .	8 70
Spaulding, Geo. & Co., Programmes, Art Catalogue, etc.....	257 50
Thomas, P. J., Premium List, Applications for Space, etc.....	283 00
Winterburn, Jo., Electrotpe.....	1 50

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 \$1,346 90

## SALARIES—

Wages of Superintendent, Clerks, Engineer, Agent, Officers, Watchmen, Laborers, etc....

\$10,990 50

## STATIONERY—

Addleson, Ink and Mucilage.....	\$ 2 50
Alexander, Leo & Bro., Typewriter and Material.....	91 50
Bancroft Co., Drawing Paper.....	1 80
Carson, Samuel B., Envelopes.....	12 90
Crocker, C. H. Co., Envelopes and Letter- heads .....	35 00
Cunningham, Curtiss & Welch, Paper and Type-writing Supplies.....	65 63
Evans, J. J., Pens and Pads.....	85
Graves, H. A., Petty Expenses.....	3 10
Pacific Roll Paper Co., Tags.....	2 00
Secretary, Petty Cash.....	5 50
Post Office, Stamps and Postal Cards.....	105 00
Turrill, C. B., Sundry Expenses as Agent.	36 30

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 \$362 13

## WATER—

Spring Valley Water Works, Water for 5 5-6  
weeks, at \$100 per week.....

\$583 35

SUNDRY ITEMS.....

3 01

## RECAPITULATION OF EXPENSES.

## EXPENDITURES—

Advertising.....	\$ 2,713 46
Aquarium.....	2,620 64
Art Department.....	1,318 70
Building.....	2,254 64
Decorations.....	901 91
Expense, including Citrus Fair.....	8,668 19
Lighting.....	7,838 75
Machinery.....	1,565 54
Mechanics' Institute.....	1,824 86
Music.....	7,122 00
Premiums.....	8,196 73
Printing.....	1,346 90
Salaries.....	10,990 50
Stationery.....	362 13
Water.....	583 35
Sundry Items.....	3 01

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\$58,311 31

## PROFIT AND LOSS.

## REVENUE—

Sale of Tickets.....	\$47,642 45
“ Privileges.....	6,618 87
“ Catalogues.....	130 70
Returned on Freight Account.....	567 40
Gas and Electric Light to Exhibitors ...	706 74
Donation—Sutter-St. R. R.....	100 00
“ Market-St. R.R. ...	100 00
“ Omnibus R.R.....	100 00
Printing. C. H. Casassa .....	37 50
Sundry Items.....	23 56
Mechanics' Institute, to balance Expen- ditures of the Exposition.....	2,284 09

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\$58,311 31

Expenditures, as above..... \$58,311 31

Respectfully submitted,

FRANK DALTON,  
A. S. HALLIDIE,  
D. S. DORN,

Committee.

PRELIMINARY ANNOUNCEMENT  
OF THE  
Twenty-Seventh Industrial Exposition  
OF THE  
MECHANICS' INSTITUTE  
AND  
PRELIMINARY WORLD'S FAIR EXHIBIT  
OF CALIFORNIA

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The management of the Mechanics' Institute have the honor to announce that the Twenty-Seventh Industrial Exposition of the Association will be held under the auspices of the California World's Fair Commission in the Grand Pavilion on Larkin Street, commencing January 10th, and closing February 25th, 1893, and will be the Preliminary World's Fair Exhibit of California.

By arrangement between the Managers of the Mechanics' Institute and the California World's Fair Commission, this Exposition will contain the various special displays prepared by the California Commission, and as many as possible of the various exhibits which are destined for display in the California and Department Building of the Columbian Exposition at Chicago in 1893.



At the proper time arrangements will be made for the running of excursions from the interior points, and special attractions will be provided, which, with the numerous individual, County and District Exhibits, the principal features of the State Fair, and the finest display of citrus fruit ever shown in the State, will be the means of inducing a large attendance. For these reasons this Exhibition offers most important inducements to exhibitors for displaying the resources of the various sections of the State, and the inventions and manufactured products of California production. It is a noteworthy fact that at various times, with acknowledged benefit, different counties of California have maintained in San Francisco, as a centre of population, exhibits of their resources for the purpose of advertising their sections. No better opportunity for securing recognition of the advantages which different portions of the State offer can be found within the boundaries of California than this occasion affords, especially as during January and February, San Francisco contains a large floating population from different portions of the East, who are interested in investigating the resources, advantages and attractions of different portions of California. Therefore it is expected that the different county organizations of the State will avail themselves of this opportunity of advertising their resources by means of this Preliminary World's Fair Exhibit.

This display has been termed a " Dress Rehearsal," and is such in fact, as it will be a final bringing together and review by our own people of the different exhibits, gathered and systematically arranged by the California World's Fair Commissioners, destined for the Chicago Exposition. It will be the only opportunity that the people of California will have of viewing these exhibits before their departure from the State.

A comprehensive and liberal premium list has been prepared, and cash awards, medals and diplomas to a large amount will be given for meritorious displays of natural products, inventions, manufactures and art, and a careful examination of the list will convince intending exhibitors that they not only can



avail themselves of the opportunity mentioned of advertising their products and the resources of their sections, but also that they will be able, by competition, to secure valuable awards, which may in many cases fully defray all the expenses attendant upon making the display. Especial attention is called to the fact that the cash awards for county, collective and similar exhibits are very much larger than have been offered heretofore by any exposition management in the State. In making these awards the Managers of the Mechanics' Institute have considered that the parties competing will, in all cases, naturally go to a large expenditure in order to make attractive displays; hence increase the attractions of the Exhibition.

Special and extensive alterations will be made in the Pavilion to accommodate the various exhibits that they may be shown to the best advantage, and every convenience afforded to exhibitors and patrons. An orchestra of fifty pieces, including soloists of acknowledged ability, under the leadership of a popular conductor, will render each afternoon and evening a grand instrumental concert of classical and popular music. The Art Department will excell anything before given on this coast, both in statuary and paintings, while the department of photography will be represented by the work of the most skilled professional and amateur operators on the coast.

A copy of the rules and the premium list, application for space, or any desired information will be given or sent upon application to

J. H. CULVER, SECRETARY, 31 Post Street.

RULES AND REGULATIONS  
OF THE  
Twenty-Seventh Industrial Exposition  
OF THE  
MECHANICS' INSTITUTE

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THE PRELIMINARY WORLD'S FAIR EXHIBIT OF CALIFORNIA  
1893

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RULE I.

The Pavilion will open for the reception of goods on and after January 2d, 1893.

The exhibition will open to the public on Tuesday, January 10th, and continue open from day to day (Sundays excepted), until and including Saturday, February 25th. Hours of admission will be from 10 A. M. to 5 P. M., and 7:30 to 10 P. M., except Saturdays, when the exhibition will close at 11 P. M.

RULE II.

All articles competing for selection for the World's Fair must be of California invention, manufacture and production.

## RULE III.

Articles can be entered for exhibition or competition, as desired.

If entered for competition, the articles must be in position and receipted for, and the entry tag attached not later than Thursday, January 12th, excepting exhibits of fresh fruits, or vegetables, not in season at the time of opening, or additions to varieties already on exhibition.

## RULE IV.

Machinery entered for competition and requiring power must be in position and in operation on or before January 12th.

Shafting, Belts, Gearing, High Speed Machinery, and any other exhibits likely to prove dangerous, must be securely fenced and protected to the satisfaction of the Management; but such approval shall not relieve the exhibitor from his own liability.

## RULE V.

Power will be furnished for driving machinery from the main lines of shafting, which are  $2\frac{1}{8}$  inches in diameter, and will make about 110 revolutions per minute. Driving pulleys 30 inches in diameter are now on the shafting for use of exhibitors. Pulleys for the main line, if furnished by exhibitors, must be accurately balanced and have the owner's name plainly marked thereon, and should be received and placed in position by Saturday, January 7th, as, up to that time, it can be done without unnecessary labor and inconvenience.

## RULE VI.

Exhibitors will be confined to such exhibits as are specified in their applications. When the allotment of space is definitely made, exhibitors will be notified of their allotment of space and its location, and will be furnished with a permit to



occupy the same, subject to the general rules and regulations adopted for the government of the Exposition and the special rules governing the department in which their exhibit will be made. Permits for space will not be transferable.

#### RULE VII.

No charge of any kind will be made to exhibitors for space. Steam and water will also be furnished free, in reasonable quantities; but all platforms, counters, ornamental partitions, show cases and fixtures must be erected at the expense of the exhibitors. Exhibitors and holders of privileges will be required to pay for all gas consumed by them for cooking or heating purposes, and also for all extra light more than that furnished for the general lighting of the building.

#### RULE VIII.

Application for space can be made at any time, and should be made as early as possible, and at least two weeks previous to the opening of the Exhibition.

Blank forms of application for space will be furnished by the Secretary or General Agent.

Space will be awarded as early as practicable after the application has been received.

Space allotted to applicants, and not taken possession of by the arrival of their goods, on or before Saturday, January 7th, may be assigned to other exhibitors.

The Board of Managers reserve the right at any time to exclude from the Exhibition such things as nostrums, articles of explosive, inflammable, dangerous or offensive character, and all things they may for any cause deem objectionable.

Any exhibit of goods, which in the opinion of the Management is of an improper or objectionable character, may, at their option, be removed at any time.

The Management reserve the right to refuse admission to any exhibitor or employee whom they may consider an improper person, or for other cause; and also remove the goods of such exhibitor from the building.

#### RULE IX.

Exhibitors must apply to an entry clerk, on the arrival of their goods, for a receipt for the same, which must be presented for their delivery at the close of the Exhibition. Articles entered for exhibition or competition will be so designated in the receipt.

#### RULE X.

Competent and disinterested Jurors of Award will be selected by the Management.

Articles entered only for exhibition shall be designated by a tag attached, and so reported by the jurors, and appear in the Report of the Exhibition.

In all cases where a gold medal has been awarded for the best general display, the articles comprising the same shall be debarred from competing for any other premium; but exhibitors may elect to waive a sweepstake premium, taking in lieu thereof the awards as set forth in the Premium List.

Jurors may refuse to award any premium when articles fall below a reasonable standard of excellence.

In every case where the Jurors have reached a decision they shall file with the Secretary a report, giving the class, name of the exhibitors, the articles exhibited, and the number of the Premium List in which it is entered.

No award for second degree of merit will be made, or so reported, unless specially provided for in the Premium List.

In cases where it is not practicable for jurors to test or examine machines in the building, or where models only are exhibited, they may go outside the building to make such examination or test; but the jurors must first procure from the



Management a written consent, which must be attached to their award when filed with the Secretary, and the competitors must take upon themselves, in exoneration of the Institute or Management, all claims in respect of damage (if any) resulting from the testings, and must renounce all claims for compensation for any injuries, real or imaginary, that they may incur from actual or alleged imperfections in the arrangements or in the testing, or from any statements in the reports or descriptions published.

Jurors in each class will hold a meeting before making their final report, at which time exhibitors in the class may be invited to attend and explain the merits of their respective exhibits, under such rules as may be prescribed by the Committee on Rules, Regulations and Awards.

Should any juror, for any reason, at any time become incapacitated from serving, the Management shall select another juror.

All awards and recommendations of jurors must be submitted to the Board of Trustees on or before February 20th, and receive their approval before being final.

The Managers reserve to themselves the right to amend, rescind or reject the report of any Committee of Awards.

#### RULE XI.

The announcement of awards will be made by the Management on Wednesday, February 22d.

#### RULE XII.

No article on exhibition or within the building can be removed until the close of the Fair, unless by permission of the Management, in writing; but reasonable facilities for making sales of articles for delivery at the close of the Exhibition will be afforded.

Exhibitors' cards, circulars and samples can only be placed within their own space for distribution, and visitors must not be solicited to receive them.

No lottery or gift enterprise of any kind will be allowed, nor shall visitors be solicited for names or signatures when the purpose is to award a consideration by chance.

Holders of Privileges shall have the exclusive right to sell the article they purchase the Privilege for; but in no case shall it be construed that their purchased right debars any exhibitor from giving away, in quantities to be determined by the Management, samples of articles they may manufacture in the Pavilion or place on exhibition.

Exhibitors will be required to keep their spaces and exhibits clean and in good order, and, in cases where they are covered at night, to remove such covering by 11 o'clock A. M., and not to cover the same until ten minutes before the closing hour.

### RULE XIII.

The most careful means will be taken, through the agency of the police and otherwise, to guard and protect the property on exhibition, and it will be the purpose of the Management to return all articles to the owners without loss or injury; but as the Fair is for the benefit of the general public, and particularly for the business benefit of the exhibitors and to add to the reputation of their wares, the Mechanics' Institute or the Management will, under no circumstance, be responsible for any loss or injury to articles placed on exhibition, which must be invariably at *owner's risk*.

### RULE XIV.

In order to preserve the general harmony of the Exhibition, and make the display of goods attractive, the Management reserve the right to direct the general arrangement of the articles on exhibition and to regulate the character of all signs and advertisements.

Partitions may be erected in various parts of the building, but in no case more than four feet in height, except on the sides and

ends of the gallery. Exhibitors' signs shall not be more than eight inches in width, and placed not less than eight nor more than nine feet from the floor, except on the walls of the building; and under no circumstances will cloth or paper signs be allowed higher than the partitions, to wit: four feet.

Exhibitors will be allowed to give away a limited amount of samples of any article on exhibition by them, such quantity to be determined by the Managers. This permission, however, shall not apply to the giving away of intoxicating beverages.

#### RULE XV.

All exhibitors will be required to purchase a double season ticket before being entitled to an employee's ticket.

Employee's tickets will be issued to such persons only as are in the employ of exhibitors, who, in the opinion of the Committee on Privileges, require the services of an attendant, and are not transferable.

If transferred or loaned to any other person than the owner, the ticket becomes forfeited, and doorkeepers will be instructed to refuse admission and retain the ticket.

Employees' tickets found to be unnecessary for the purposes for which they were issued must be returned to the Committee on Privileges.

Any ticket presented at the door for admission in violation of rules thereon shall be forfeited.

#### RULE XVI.

All boxes and packages containing articles for the Exhibition should be marked "Twenty-seventh Industrial Exhibition, San Francisco," with the name and address of the sender. If the freight thereon is paid, it will be taken charge of by the Board of Management and removed to the Exhibition building. Cartage at the expense of the exhibitor. A detailed statement of each box or package should be inclosed with the same, and a duplicate sent separately, by mail or express.



## RULE XVII.

The Management do not consider the Premium List herewith appended as complete, nor are articles entitled to premiums limited to the ones here enumerated; but any meritorious article on exhibition not herein mentioned will receive due consideration from the jurors.

## RULE XVIII.

The Management shall have the right at any time to modify or change these rules, or any of them, or make such others as necessity and propriety may demand, or which in their judgment will be to the best interests of the Exhibition.

## CLASSIFICATION OF EXHIBITS.

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- CLASS 1—  
Engines, Boilers and Appliances.
- CLASS 2—  
Hydraulic Machinery and Steam Pumps.
- CLASS 3—  
Machinists' Tools and Metal-working Machinery.
- CLASS 4—  
Wood-working Machinery.
- CLASS 5—  
Miscellaneous Machinery.
- CLASS 6—  
Mining Machinery and Appliances.
- CLASS 7—  
Laundry Machinery.
- CLASS 8—  
Fire Apparatus and Appliances.
- CLASS 9—  
Marine.
- CLASS 10—  
Sewing Machines, Knitting Machines, Braiding Machines and Looms.
- CLASS 11—  
Agricultural Machinery.
- CLASS 12—  
Iron, Steel and Lead.
- CLASS 13—  
Cooking, Heating and Ventilating.
- CLASS 14—  
Hardware, Cutlery, Firearms, etc.
- CLASS 15—  
Fire and Burglar-proof Safes and Locks.



## CLASS 16—

Brass Work, Gas and Lamp Fixtures, Plumbers' Goods, etc.

## CLASS 17—

Grates and Mantels—Marbles, Artificial Stone Earthenware, Glassware, etc.

## CLASS 18—

Carpenters', Joiners', Carvers' and Stair Builders' Work, Ornamental Glass Paintings, etc.

## CLASS 19—

Musical Instruments.

## CLASS 20—

Vehicles and their attachments, Children's Carriages, Hobby Horses, etc.

## CLASS 21—

Furniture, Upholstery, etc.

## CLASS 22—

Billiard Tables.

## CLASS 23—

Wooden Ware, Brushes, Wire Goods, Willow Ware, etc.

## CLASS 24—

Boots, Shoes, Leather, Rubber Goods, etc.

## CLASS 25—

Hemp, Cordage, Paper, Furs, Silk, Hair, etc.

## CLASS 26—

Woolen Dress Goods, etc.

## CLASS 27—

Gentlemen's Furnishing Goods, etc.

## CLASS 28—

Ladies' Furnishing Goods, Dresses, Cloaks, Millinery, etc.

## CLASS 29—

Electricity and Electrical Appliances, etc, etc.

## CLASS 30—

Scientific Apparatus, etc.

## CLASS 31—

Surgical and Dental Implements and Appliances.

## CLASS 32—

Gold, Silver and Plated Ware, Watches, Clocks, Jewelry and Bronzes.

## CLASS 33—

Printing.

## CLASS 34—

Hairwork, Needlework, Embroidery, Shellwork, Patterns, etc.

## CLASS 35—

Painting in Oil and Water Colors.

## CLASS 36—

Ceramic Art.

## CLASS 37—

Sculpture, Statuary and Carving.

## CLASS 38—

Engravings, Penmanship, etc.

## CLASS 39—

Photography.

## CLASS 40—

Chemical and Pharmaceutical Products.

## CLASS 41—

Groceries, Meals, Flour, etc.

## CLASS 42—

Wines and Brandies of California Production, from California Vineyards.

## CLASS 43—

Fermented Products.

## CLASS 44—

Tobacco.

## CLASS 45—

Geology, Mineralogy, Zoology, Botany, etc.

## CLASS 46—

Farm Products.

# THE OPENING EXERCISES.

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The President having named Messrs. Firth, Hallidie and Dalton as a Committee to arrange for the Opening Exercises, the Baldwin Theatre was engaged for the purpose, and opened to the invited guests at 2 o'clock on the afternoon of Tuesday, January 10th, the handsome auditorium being soon filled with the many members and friends of the Mechanics' Institute, who listened attentively to the interesting numbers of a carefully arranged programme.

## PROGRAMME.

Grand Overture—"William Tell".....CASSASA'S FIRST REG. BAND  
Prayer.....REV. A. C. HIRST, D. D.  
Address by the President.....IRWIN C. STUMP  
Cornet Solo.....MISS MAY COOK  
Her First Appearance.  
Aria—"Faust".....MISS NINA LYON  
Trombone Quartette  
MESSRS. TOBIN, DELANEY, GUTMAN AND WRIGHT.  
Address.....CAPT. C. A. WOODRUFF, U. S. A.  
Original Patrol—*Arranged by Cassasa*.....BAND  
Soprano Solo—"Merrily I Roam".....MRS. MARTIN SCHULTZ  
SELECTION.....HOWARD QUARTETTE  
MESSRS. FLOOD, KELLEY, GAGE AND VAN ORDEN.  
Grand Mosaique—"Meyerbeer".....BAND

The President, Mr. Irwin C. Stump, members of the Board of Trustees and invited guests occupied seats upon the stage.

The exercises opened with a Grand Overture from the well-known Opera of "William Tell," which was rendered in highly artistic style by the First Infantry Regiment Band, under the leadership of Prof. Charles H. Cassasa, who had been engaged for the season. The selection was greeted with much applause, after which the Rev. A. C. Hirst, D. D., offered a prayer. The President then stepped to the front, and after welcoming the assembled audience and extending a friendly greeting, he delivered the following address:

## THE PRESIDENT'S ADDRESS.

LADIES AND GENTLEMEN:—The opening of the Twenty-Seventh Industrial Fair marks a radical departure from the established usage of the Mechanics' Institute.

When the proposal to hold a mid-winter exhibition was first taken under consideration, it appeared to present so many objections as to be inexpedient.

It meant additional expense for the proper heating of the Pavilion, and in otherwise providing for the protection of visitors against the inclemency of the season, while at the same time the conditions which necessitated this unusual outlay might be such as to seriously diminish the attendance and reduce the receipts.

Moreover, there was to be taken into account the prejudices with which every innovation upon accepted customs is apt to be received.

Altogether the weight of argument seemed to be so largely adverse to the proposed change that it was not undertaken without considerable hesitation and some misgivings as to the result.

It was perhaps a clear realization of these obstacles which stimulated the management to the exercise of more than usual energy.

The Managers determined that so far as unsparing efforts could make it so, the mid-winter fair should be a success.

I have no hesitancy in saying that I feel sure the result will justify their course and prove that they acted wisely, and that the present exhibition will be one of the most interesting and attractive ever given under the auspices of the Mechanics' Institute.

You will enjoy the opportunity of seeing many of the exhibits that will creditably represent our State at the World's Fair at Chicago.

This display, known as the "Preliminary Dress Parade" of California's exhibit to the World's Fair—in the collection of which we have acted in conjunction with the State's World Fair Commissioners,—is to give to the millions who will visit Chicago some idea of the wealth, resources, productiveness, achievements and commercial greatness of our State, and it is with satisfaction that we offer a first view of its treasures to the people of California.

Another striking exhibit is that the change in the date of our opening has permitted us to secure in the citrus display of Northern and Central California. We have been enabled to annex the Northern Citrus Fair entire. This is an attraction that has never heretofore been seen in San Francisco.

The annual display of the golden fruit which has been found to grow as luxuriantly in the foothills of the North as on the fertile plains and



foothills of the South has hitherto been held in the interior cities. It has been in itself an attraction that has drawn visitors from hundreds of miles to wonder at the mountains of splendid fruit, and to admire the novel and beautiful methods of utilizing it in display.

It will, I feel confident, prove no less attractive when placed beside the other curios and interesting things that go to make up the whole of this present exhibition.

Not content with adding these novel features to the fair, the management has undertaken also to make an exhibit of the fresh-water food fishes of the Pacific Coast. We owe much to the Fish Commissioners of our State in the perfection of this great addition to our fair.

I cannot close without an acknowledgment of the cordial support of the press. The efforts of the management have been most generously and courteously seconded, the attractions to be presented have been graphically and interestingly described, and the interest of the public has been roused with a degree of success that could never have been secured without this hearty, although unsolicited, co-operation on the part of the newspapers of this city.

The innovations that have been made, the risks that have been undertaken, have all been assumed in accordance with what we conceive to be the true purpose of this Institute. The Mechanics' Institute has been one of the leaders and chief factors in the progress of the State, one of the most potent forces in directing the attention of the public and the efforts of our citizens into the channels of advancement. It has been an educational force of inestimable value.

But proud as we ought to be of its achievements in the past, we must wish it greater and loftier things in the future.

The ideal should ever be above the performance.

It is in this spirit that the efforts of the present engagement have been guided in the preparation for the exhibition now opened.

We offer them in the trust that their results may meet the approval and deserve the generous attention of the public upon whose support the success of the Institute must finally depend.

The President then introduced Miss May Cook, a young and talented lady cornetist, who made her first appearance here in public, and executed a brilliant solo upon her instrument, which called forth much applause from the delighted audience, who insisted upon an encore and rewarded the young lady with a number of handsome floral offerings.

After Miss Cook had retired amid flowers and applause, Miss Nina Lyon rendered a vocal aria from "Faust." She was also well received and encored, and received many floral proofs of approval from the company present.



The next number upon the programme was a selection by the celebrated Trombone Quartette, Messrs. Tobin, Delaney, Gutman and Wright, the same gentlemen who delighted the attendant visitors at the Twenty-sixth Exposition in 1891. They were cordially greeted as old friends, and also received numerous encores and flower pieces.

Captain C. A. Woodruff, U. S. A., being introduced to the assemblage, delivered the following address :

#### ADDRESS.

Less than twelve weeks ago, all over our land, from the lakes to the gulf, from ocean to ocean, in celebrating the four hundredth anniversary of the discovery of this continent, the children, enrolled in our grand system of Public Schools, raised their voices in praise of our Republic, giving and receiving a grand object lesson in American Patriotism.

Powerful in its growing intelligence, this grand army of advancing Americans, 13,000,000 strong, to whose hands this government will soon be entrusted, swore allegiance to the flag of our country ; the flag which gave to the ancestors of some shelter from bitter poverty or grinding oppression, and which the ancestors of others bore from victory to victory until, from the guidon of a forlorn hope, it has become, alike, emblem of unsurpassed national stability, resource and power, and symbol of a government wherein personal, religious and political liberty and equal rights, under the law, are granted to all, and manhood and intelligence are the King.

If we believe that our children were justified in singing the praises of our country; if we believe that it deserves the encomiums passed upon it; if we believe that its future may be made worthy of the destiny that patriotism fondly pictured, now, while the influence of that grand national demonstration is still fresh in our minds, is an appropriate time to study the sources from which our country's greatness came, and by the light of the brightly burning lamp of experience, consider the part this Institute and these Expositions have borne in this advancement, and how they may best be made to contribute to the future welfare of this community and of our Nation.

Fortunately we have not far to look for the fountain heads of our past success. It was not soil, climate or isolation; African soil equals our most favorite localities; Mexico is a sanitarium, and much of South America and Australia unknown to-day. But it was solely due to men and the principles they produced.

The fundamental cause was enunciated when the founders of this government boldly pushed forward the hands upon the dial of man's advancement by declaring that : "We hold these truths to be self-

evident, that all men are created equal, and endowed by their Creator with certain unalienable rights, that among these are Life, Liberty and the pursuit of Happiness."

The men who promulgated this idea were partially indebted to their environment for a character of independence and self-reliance, such as, we can say without boasting, the world has never elsewhere seen, but above and beyond that, they came from a freedom-loving stock, much of which represented Europe's best morals, intellect, industry and valor.

The sturdy Pilgrim Fathers and Mothers, who owned no lord save God, brought some of England's best blood, brains and brawn, a strong compound of high faith and shrewd, wise utilitarianism and practicality, of poetry and business, of piety, pluck and aggressive courage; after them came the fiercer sort of Cromwellian Puritans, honest but intolerant, bigoted but intelligent, gloomy but far-seeing and self-reliant, the victors of Marston Moor and Naseby were just the men to plant the foundations of a great State deep in the new principle that governments were made for men; beside them stood the sons and daughters of Holland, worthy descendants of Leyden's old burgomaster, Van der Werf, who said: "My life is at your disposal; here is my sword, plunge it into my breast, and divide my flesh among you. Take my body to appease your hunger, but expect no surrender so long as I remain alive." Strong they were in virtue, industry and love of liberty; their ancestors had tasted the sweets of freedom before Englishmen had a Magna Charta; the unyielding Huguenot added another strong stick to liberty's unbreakable bundle; the genial cavalier, strong and wise in council, as he was reliant in war, infused an aggressive martial spirit which the gentle Quaker helped to guide in the paths of peaceful advancement; the thrifty, hard-working German found here the freedom, peace and opportunity denied him in the Fatherland; the fiery Celt, vigorous union of energy, perseverance, shrewdness, frankness, courage and morality, gave us the best of Scotch, Welsh and Irish blood; the Switzer, who never bent the knee to tyrant at home, found congenial company here, beside the sturdy northmen; while Lord Baltimore's English Catholics taught them all religious toleration. These, and other, diverse elements were finally blended and fused into a new nationality, the American, whose guiding principles of equal rights and lawful liberty were based upon the idea that intelligent law would follow universal education, that intelligent law meant equal justice, and equal justice meant personal freedom, and that personal freedom made all labor honorable.

From these principles, applied by men with such ancestors, our Nation's greatness came. This nation and these living, potential principles are bequeathed to us; the preservation of the former and the application of the latter are in our hands. As we do our part well or ill,



future historians will recount the grand career of our Republic or tell the story of our disgrace, downfall and disappearance from among the nations of the world.

To-day we have no sectional questions to vex us. We have just passed through a great political campaign, where the issue was based upon financial questions that pre-eminently interest the laboring man, especially the mechanic. Still there is no bitterness; the vanquished rest on their arms while the victors divide the spoils. Locally, our machine shops are not as busy as we could wish. Capital that is too selfish or too timid to help build up mechanical industries by sowing where it has reaped such an abundant wild crop, and Labor, that listened to the siren voice of the selfish demagogue, are each partially responsible for this condition, but as a nation the output from our workshops was never larger. Our exports in 1892 reached the highest figure in the history of the government; our farmers and fruit growers have gathered abundant crops; our railroads are preparing for a larger traffic than ever before. Twenty-three years ago we rejoiced when the East and West were joined by the iron bars of commerce, that have been increased six-fold since that time; so to-day we see a bright promise of a more perfect union of these sections by a water-way guarded by the American flag, and the croaking pessimist even admits that grand results will follow.

In the words of the President: "There has never been a time in our history when work was so abundant, or when wages were as high, whether measured by the currency in which they are paid or by their power to supply the necessities and comforts of life."

If any are discontented with their state here, if any believe that the wages or prices, the returns for honest toil, are inadequate, they should not fail to remember that there is no other country in the world where the conditions that seem to them so hard would not be accepted as highly prosperous.

All is peace, our little army, whose history is interwoven with that of our country from its foundation to the present time, whose steady tramp, tramp, ever carried comfort to those in danger, whose colors have waved an unbroken promise of protection to peaceful citizens of every race, sex and condition, and whose bayonets never flashed but in the cause of law and order, is simply a trained nucleus, around which, if necessary, we could rally six million citizens, whom we have the mechanics to arm, the farmers to feed, and the capitalists to pay.

In Europe each nation is watching the others and keeping their armies filled to the extreme limit and ready for immediate action; surely never in the history of our country were the nation's prospects for advancement better than at this opening of the Twenty-Seventh Industrial Exposition of the Mechanics' Institute. And to this Institute and these

Expositions California owes much for the station she has reached in our national progress.

In the thirty-seven years that have passed since this Institute was organized, the city has grown six-fold, the State four-fold, and the nation nearly three-fold, and yet this Institute has won and holds a position worthy of this grand advancement.

There are other worthy and in many cases older societies in our midst, but not one that has a firmer hold upon popular regard than this, or one that has done and is doing more to disseminate practical knowledge and advance the material interests of this city and State.

And it must be a source of pride and pleasure to its founders, as it should be to all who have the welfare of this city at heart, to know that in the mechanical arts and manufactures, which the Institute especially fosters, while the growth in national manufactures from 1855 to 1890 was nearly thrice as rapid as the increase in population, the advance in this city for the same period was from almost nothing to millions, or to be exact, from 1860, when the first reliable statistics were obtained, to 1890, the capital invested has increased twenty-eight fold, and the number employed twenty-nine fold.

When this Institute was organized, almost every manufactured article used in this State was imported. In 1890 the manufacturers of this city alone paid their army of 46,850 men, women and children in wages \$29,800,000, nearly three times as much as our nation pays its army of 28,526 officers, enlisted men, scouts, general service clerks and messengers. And the gross product of the city's manufacturies for the same year was \$131,000,000, embracing almost everything, from type, matches, and bird-shot, to buildings that would do honor to European capitals and war ships able to uphold national honor and defend American citizens in any port of the world with depth enough to bathe their water line.

But not alone has this Institute fostered mechanical industry in this city; she has assisted art, science and literature, and called the attention of residents and visitors to every growth, product and industry of this great State; and to-day, on the eve of the World's Fair, she is alive to the occasion, and is putting forth her best efforts to surpass all her previous expositions; in addition to an excellent mechanical and artistic exhibit she will have the grandest citrus display that, not alone California, but the *world* has ever seen.

Recognizing the importance to the whole State of a proper representation at the Columbian Exposition, she is sparing neither expense or intelligent labor to the end that California's Exhibit may be worthy of the grand heritage that Nature's God has given us.

This Institute has done much and done it well, but as she has builded for the future, the intelligence, the energy, the unselfish work that have



guided her destinies must continue, for much, very much, yet remains for her to do.

The age of stone and bronze have passed, the iron age is passing into the enduring one of mechanism.

The oppressive cloud that old world social degradations threw over manual labor cast a shadow in our land even, that was only dispelled by the light of perfect freedom, yet true manhood asserted itself, and the highest honors in the gift of the nation and of the States have been given to mechanics, and we are fast seeing the higher walks of mechanical calling raised to the dignity of the so-called professions which require no more liberal education, reflect no higher honor upon the individual and confer no greater benefits upon mankind.

And this Institute must minister to this advancing sentiment by encouraging our youth to acquire a trade and in giving, especially to the promising, a technical mechanical education that will enable them to achieve the highest honors in a useful life.

Not alone in the days of peaceful progress is the influence of skilled labor felt. It is even more powerful in war, as was shown in our civil strife, and as patriotic citizens we should encourage it.

Braver men than those who wore the gray never fought for independence. As Americans, we glory in the valor displayed on a hundred bloody fields, and we honor their sincerity.

But they were opposed by men equally heroic, equally sincere, whose muscles were toughened by toil, who knew how to use tools, to repair and operate locomotives, build bridges, and construct railroads.

We desire peace, but we should be prepared to prosecute successful war, and the thinking patriot should consider the mighty force exercised by this training of head and hand in the exacting school of Northern mechanical industry in achieving final victory for the national government.

Upon the rolls of this Institute the employer and the employed meet on common ground ; here Capital and Labor are what they should ever and everywhere be, friends and co-workers, each the supplement of the other, here working together for the common good ; they can, if true to their motto of "Be just and fear not," enunciate liberal principles that will protect each from the dreams of the visionary and the machinations alike of the demagogue and the knave.

If Labor is Master, Capital is Mistress, and each must lean upon and trust the other or there can never be a prosperous union between them. Capital has its rights, privileges and duties, but if it sulks, hides itself, or grows too arrogant and oppressive, outraged public opinion will force honest legislators to compel it to come forth and do its duty towards the State that guards it, towards labor from whence it came.



Our country has furnished an example of its ability to deal with such questions, for when the people thought that capital invested in slaves had grown too arrogant, though it only asked to be "let alone," they rose in their might and absolutely annihilated, as property, capital representing hundreds of millions of dollars.

So labor too has its duties, and its rights and privileges, that are very dear to the people, but if it becomes so arbitrary as to advocate the alien and tyrannical idea that the individual may be denied the rights of life, liberty, labor and the pursuit of happiness, it will be made to understand that patriotic Americans, so long as they are true to the principles that so wisely guided the founders of this government, will never submit to its oppression.

But as each is dependent upon the other for its highest success, and each succeeds best when the other is satisfied, there should be no action on the part of either to create this disastrous friction.

And one of the highest, perhaps the highest duty and privilege of this Institute is to try and prevent this friction by bringing labor and capital into hearty co-operation in the work of leveling the machinery of good honest government, in supplying the oil of intelligence and the fuel of good citizenship, in removing the rust of anarchy, the dust and dirt of demagoguery, and in rejecting the imperfect, badly fitting parts that float to our shores when thrown in the trash-heap of other nations, and thus rid ourselves of the principal causes which impede the Union and application of these two forces that must work together to supply the motive power for a successful future.

Over sixty years ago, two mechanics, brothers, one of whom afterwards became one of Vermont's sturdy war Governors, invented the platform-scale, and started what soon grew into the largest scale manufacturing works in the world, employing hundreds of workmen, in which there has ever existed the most kindly feeling between employee and employers; in all these years there has never been a strike or lockout; the owners have built, and richly endowed, an Academy, a Library, a Museum, a Gymnasium and an Amusement Hall; when the war came, at a loss, they patriotically turned their shops into arsenals, and told the men that all who desired to enlist could have their places back when they returned, and they kept their word, and to-day many positions are filled by men whom the war left physical wrecks; the mechanic has absolute, personal, religious and political freedom—only two qualifications are insisted upon, skill and respectability.

The result of all this is a prosperous city of schools, churches and comfortable homes, where the saloon, the party dictator and walking delegate are no part of the body politic.

To attain similar happy results is legitimately the highest work and aim of this Institute.

And if such results can be reached here, where, in the words of the representative of our strongest competitor, England: "The laboring classes may be said to embrace the entire American nation, and there are few countries in which the workingman is held in such regard as in the United States of America," here, I repeat, can mankind alone hope to see this glad fruition.

It can best be accomplished here, where the government is based upon the principle of "the greatest good to the greatest number"; where the people, who are the State, recognize that they create labor, which in turn is the sole source of capital; where men, not money; manhood, not caste, is ruler; and where our country's progress furnishes the grandest illustration that history has ever recorded of the fact that honorable labor is the talisman that raises man from the condition of the savage, "that has changed the desert and forest into cultivated fields; that has covered the earth with cities and the ocean with ships; that has harnessed the rivers and drives the lightning; that has given us abundance, comfort and elegance, instead of want, misery and barbarism;—here where:

"All is the gift of Industry, whate'er  
Exalts, embellishes, and renders life  
Delightful."

After the speaker had retired from the platform amid great applause, the orchestra rendered an "Original Patrol" arranged by the Director, Prof. Cassasa.

Mrs. Martin Schultz then gave a soprano solo, "Merrily I Roam," which met with enthusiasm upon the part of the audience, who treated her as it had the former performers, with continued demonstrations of approval and floral pieces.

Mrs. Schultz was followed by the "Howard Quartette," which was composed of Messrs. Flood, Kelly, Gage and Van Orden, who rendered a fine selection, and were called upon for another by the interested auditors.

The exercises closed with a "Grand Mosaique" by Meyerbeer, by the orchestra, and the entertainment was voted by the large number of gratified listeners as one of the finest ever given upon the opening of a Mechanics' Exposition.

The doors of the Pavilion were thrown open to the public at 7:30 P. M. the same day, disclosing the most gorgeous spectacle of the kind which it has ever been the good fortune of our people to behold upon this Coast, and the average attendance was good each and every day and evening during the succeeding six weeks, until, upon the last evening the audience filed regretfully out the doors, and the great Citrus and Mechanical Exhibition was over.



# ALPHABETICAL LIST

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## EXHIBITORS AND ARTICLES EXHIBITED.

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### CLASS.

- 21 Abraham, J. H., 527 Natoma street.....Photograph-holders
- 13 Abrahamson Ventilator Co., 313 Market street.....Ventilators  
for Windows, Doors and Buildings.
- 45 Adderly Stanley, 4 Post street.....Curios, Sponges, etc.
- 41-42-46 Alameda County.....Products and Articles
- 18-25-26-28-34 From Alameda County.....World's Fair Exhibit
- 35-36-37-38 Alameda County Board of Lady Managers.....Exhibit of  
Women's Work, Silk, Silk-cocoons, Silk Thread and General  
Display of Work done in Alameda County.
- 45 Albert, Bro. George, St. Joseph's School.....Relief Maps  
of California and Counties.
- 5 Alexander, Leo and Bro., 218 Sansome.....Smith Premier  
Type-writer.
- 29 Allen, Charles M., 35 Market street.....Electro-magnetic Car-  
brake, Model in Operation.
- 17 Amador Marble Co., Amador Co.....Marble Slabs
- 40-41 Ames, F. H. & Co., 216 Front street.....Canned Salmon  
Oat-meal, Starch and Candles.
- 45 Anderson, Miss Joey, Anderson Springs, Lake Co.....Product  
of Lake County, Anderson Springs, Curios, Native Woods,  
Floral and Agricultural Decorations, Mineral Water, etc.
- 18 Atkinson, George F., 11 Clementina street.....California Woods,  
and Manufacture of Articles from Same in the Pavilion.
- 15 Autographic Register Co.....Autographic Cash Registers
- 1 American Balance Slide-valve Co., 216 Mission Street.....The  
American Balance Slide-valve and Piston.
- 11 Baker & Hamilton, 2 Pine street.....Agricultural Implements,  
Sulky-plows, Cultivators, etc.
- 40 Bates & Suydam, 205 Front street.....Knox's Fine Gelatine
- 29 Barry Herbert, with Cal. Wire Works.....Electric Motor for  
Driving Hallidie's Ropeway.

## CLASS.

- 20 Bilz, J. A., Pleasanton.....Pneumatic Sulky, Cart, Speed-carts and Plows.
- 40 Boerecke & Runyon, 234 Sutter street.....Koumiss
- 44 Bohls, H. & Co., 244 Fremont street.....Tobacco and Cigarettes and Manufacture of Cigarettes in Pavilion.
- 17 Bartoli & Co., 415 Fifth street.....Venetian Marble, Mosaics for Floors, Enamels for Walls, Mantels and Hearths and Decorations.
- 37 Boughton, F. M., Monterey.....Mosaic Cabinet Made from the Vertebrae of the Whale.
- 32 Breen, Miss Kate.....Jewelry and Fancy Articles
- 13-16 Brown, Charles & Son, 823 Market street.....Pasteur Filters, German Steel-ware and Pearl Agate-ware.
- 12 Browne, Jas. P., Santa Ana.....Hand-made Horseshoes
- 18 Burr, C. H., 667 Mission street.....Weather-strips
- 23 Buchanan Bros., 609 Sacramento street.....Brooms, Brushes, Feather-dusters and the Manufacture of the Same in Pavilion.
- 21 Burr Folding Bed Co., 642 Mission street.....Burr Folding Beds, Palace Combination Beds, Marks' Reclining-chairs and Andrews' Steel Chairs, Ross Patent Table Wash-stand.
- 46 Butte County.....Products of Butte County, Cultivated Nuts, Grain, etc.
- 33 Cal. Architect and Building Review, 408 California street.....Architectural Magazines.
- 29 Cal. Electrical Works, 35 Market street.....Electrical Goods and Cables.
- 30 Cal. Optical Co., 317 Kearny street.....Optical Goods and Grinding of Lenses.
- 33 Cal. Publishing Co., 819 Market street.....Display of "California Magazine."
- 3-12 Cal. Wire Works.....Power Loom for Weaving Wire, in Operation, Wire-nail Machines, Wire-netting Machine, Wire Cord and Clothes-lines, Cables for Street Railroads, Wire-staples, etc.
- 40 Callustro Co., 26 Golden Gate avenue.....Callustro Goods
- 34 Campbell, Miss Marion, 50½ Third street....Crazy-quilt and Shams
- 9-39 Canadian Pacific Railway, 648 Market street.....Model of the Steamship "Empress of Japan," and Photographs of Scenery Along the Canadian Pacific Railway.
- 18 Chaffee, W. H., Pine City, Cal.....California Woods
- 34 Cheigneau, Mrs. V., 1406 Guerrero street.....California Pebbles, Feather-flowers, Autumn-leaves, Worsted-flowers and Butterflies.
- 40 Christy & Wise, Townsend and Fifth streets.....Sheep-dip



## CLASS.

- 25-5 Chronicle, The San Francisco, cor. Market and Kearny....Stereotype Plates and Roll Paper.
- 40 Ciphers, D.....Popcorn
- 40 Cleveland Baking Powder Co., 216 Front street....Cleveland Baking Powder.
- 2-16 Cleveland Faucet Co., 135 Fourth street.....Hydraulic Air Compressors, Hand Air Compressors, Combination on Faucet and Pump, Cooler-cocks, Gauge-regulators, Novelty Ice-boxes and Air-reservoirs.
- 28 Cluff, Geo. F., Lodi.....Garment-fasteners and Hose-supporters
- 40 Coburn & Tevis, 107 Front street....C. & S. Axle-grease, Olive Oil, Mott's Cider, Perfumes and Idania Mineral Water.
- 36 Cole, Miss Kate, 572 Twelfth street, Oakland.....Painted Panels, Hand-painted Books and Card-board Panels.
- 34 Cole, Mrs. E. J., 831 Willow street, Oakland.....Carriage-robe and Sofa-pillow of Kensington Embroidery.
- 5 Condon, Miss L. H. & Co., 431 Montgomery street.....Yost Typewriter, Patent Desk and Holders.
- 24 Cook, H. N., Belting Co., 317 Mission street.....Tanned Leather Sole-leather, Leather Belting, Rawhide Goods, Walrus Leather, Agricultural Drapers and Tan-bark.
- 40 Craft, H. M.....Pik Ron Paint for Wood and Glass, and Patent Pen-holder and Puller.
- 1-2-5-12-14-16 Crane Co., 405 Market street....General Display Hardware, Steam and Plumbers' Goods, Hot-air, Engine and Pump and Water-gates, etc.
- 33 Crocker, H. S. Co., 215 Bush street.....General Display of Lithographing Work, Stationary and Printed Matter.
- 7 Crome, A. C.....Hand-washing Machine
- 41 Cudahy Co., Omaha, Neb.....Rex Extract of Beef, Hams, Bacon, Lard, Canned and Preserved Meats.
- 34 Culligan, Miss Anita, 103 Van Ness Avenue.....Silk Embroidered Peacock.
- 3 Cumming, George, 20 Fell street.....Portable Forges and Blowers
- 19 Curtaz, Benjamin & Son, 20 O'Farrell street.....Pianos, General Display.
- 21 Cutting, E. L.....Folding Bed
- 18 Bann & Peters, 122 Taylor street.....Pictures, Transparent on Glass by the Diaphanum Process, for Window Decoration.
- 20 Davis Bros., 718 Market street.....Bicycle.
- 18 Dean, Wm. H., West Berkeley.....Safety Windows
- 6 Denniston, E. G., 636 Mission street.....Silver Plated Amalgamating Plates for Miners' Use.

## CLASS.

- 38 Dewey Engraving Co., 220 Market street.....General Display of Photogravure, Half-tones, Zinc and Copper Etchings, Wood Engravings, etc.
- 13 De Witt, M. & Co., 221 Third street.....Patent Oil Cans
- 13 Dingley, C. L. & Co.....Flour Sifters and Bins
- 31 Dobbie, A. J.....Laura Roasted Flour
- 2 Dow Steam Pump Works, 114 Beale street.....General Display of Steam, Ship, Mining and Deep Well Pumps.
- 34 Duckworth, Mrs. R., 1714 Market street.....Rickrack Quilt
- 9 Duff, George H., 120 Valparaiso street.....Schooner Model
- 5-25 Duke & Berger, 41 Second street.....Wrapping and Roll-paper and Paper-cutters.
- 33 Duncan & Boereckie.....Housekeepers' Account Books
- 46 Durst, J. H., Wheatland.....Display of Hops
- 13 Eagle Automatic Can Co.....Display of Outside Soldered Cans
- 31 Eggers Electric Improvement Co.....Dental Motors
- 45 Eiberschutz, Mrs. G., 305 Powell street.....Piute Indian Work
- 5 Ellis, W. R., Woodland.....Meat-chopping Machine, Rotary
- 18-21 Euler, H. & Co., 523 Fifth street.....Folding Beds and Wooden Mantels.
- 17 Evans, Jas. G., Chicago.....Engraving on Glassware
- 34 Fillebrown, Mrs., 429 Tehama street.....Hand-made Lace Quilt
- 34 Fisher, Mrs. F. H., Alameda....Immortelles, Moss and Moss Work
- 46 Flickenger, J. H. San Jose.....Display of Canned and Preserved Fruits and Fruits in Glasses.
- 46 Fontana & Co., 119 California street.....Canned Goods
- 9 Foulquet, Ivan A., 1715 Stockton street.....Miniature Boats
- 33 Foust, H. W., 650 Harrison street....Maps and Charts of the City of San Francisco.
- 6 Freeman, J. B., Los Angeles....Dry Concentrator and Gold Separator.
- 23 Froberg, Richard J., 314 Fifth street.....Mop Handles and Pads
- 32 Furlong, Thos. N., 1221 Market street.... Show-cases and Laundry Trays.
- 45 Gallagher, E. A. T.,..... Dress Worn by Indian Women in 1849
- 40 Geyser Water Co., 29 Steuart street...Artistic Display, Representing the Sonoma County Geysers in Operation.
- 16 Graff, A. S., 47 Second street.....Patent Lamp Burners, Fancy Needle Work, Irish Spinning-wheel Over 300 Years Old.
- 21 Grozelier, S., 730 Shotwell street.....Oak Carved Sideboard
- 17-18-32-35 Gump, S. & G., 121 Geary street.....General Display of Art Goods.

## CLASS.

- 42 Gundlach. J. & Co., Second and Market streets..... General and Artistic Display of California Wines and Liquors.
- 23 Gurney Refrigerator Co., 109 California street.....Butchers' Cooling Room, Domestic Sideboards and Refrigerators.
- 13 Hall, O. K.....Patent Baking Pan
- 34 Hall, Miss Kate, 28 Sixth street..... Crazy Quilt
- 6 Hallidie, A. S., 9 Fremont street.....Model of Hallidie's Improved Grip-pulley, Model of Ropeway for Transportation of Ore, in Motion, Improved Clip, Ore-buckets and Hallidie's Improved Grip-pulley and Stand; also, Specimen of Cable for Street Railways.
- 20 Hammond John, 334 Beale street.....Double-end Street Cable Car
- 42 Haraszthy, Arpad & Co., 530 Washington street:...General Display of California Wines and "Eclipse" Champagne.
- 46 Hatch, A. T., Room 42 Flood Building.....Cultivated Nuts
- 18 Hatch, Thomas, 1022 Folsom street.....California Woods of all Descriptions, Polished and Rough.
- 32-27 Heinenger, G. P., 413 California street.....Canes and Abalone Jewelry.
- 34 Henry, Mrs., Wool street.....Tatting Dress
- 45 Herrick, Mrs. Eureka.....Relics, Curios, Products and Collections from Humboldt County.
- 1 Hewson Steam Motor Co.....Steam Motor for Machinery, Run by Steam Jet.
- 41 Highland Evaporated Cream Co.....Evaporated Cream
- 5 Hill, E. W., 29 New Montgomery street....Mimeographs and Work
- 18 Hilton, Charles.....Silk Loom in Operation, Silk Goods
- 45 Hodgkins, L. O., 3410 Sacramento street.....Antique Table-cloth
- 50 Hodgkins, Mrs. L. O., 3410 Sacramento street.....Express Relics of Messenger "Chips."
- 45 Hodson, W. G., Redding.....Minerals and Maps of Shasta Co.
- 50 Hudson, Dr. J. W., Ukiah.....Collection of Indian Baskets
- 30 Hughes, C. F.....Optical Goods
- 24-25-44-66 Humboldt County....Display of Products of Humboldt Co.
- 6 Huntington, F. A., 213 First street.....Display of Mining Machinery, Ore-feeders and Rock-breakers in operation.
- 17 Hutchins, F. W., 428 24th street.....Marble Slabs and Ornaments
- 33 Illustrated Publishing Co., 220 Market street.....Bound Volumes, Files and Sample Copies of the Illustrated Pacific States.
- 21 Indianapolis Furniture Co., Mission street.....General Display of fine Furniture and Carpets.
- 23-34 Industrial Home for the Adult Blind, Oakland..Brooms, brushes and Willow work done by the Blind.



## CLASS.

- 17-18 Inyo Marble Co., Mills Building.....Marble Mantels, Decorative Marbles, Pedestals, Table-tops, etc.
- 2 Jackson, Byron, 625 Sixth street.....Centrifugal Pumps
- 1-5 Joshua Hendy Machine Works, 39 Fremont street...Steam Engines, Mining Machinery and Hydraulic Nozzles.
- 40 Joy, E. W.....Perfumery, "Yosemite Cologne."
- 22 Jungblut, August, 10 Golden Gate Avenue.....Billiard Tables and Fixtures, Sideboards and Appurtenances.
- 34 Keep, Josiah, Mills Seminary.....Herbarium Specimens
- 45 Kelly, Miss M. E., 725 Natoma street.....Manuscript of Marshall, the Discoverer of Gold in California.
- 45 Kelly, Miss M., Kelsey, Cal.. ....Relics of Marshall
- 27 Kent, Thos. E.:.....Model Shirts
- 46 Kerr, Mrs. G. H., Elk Grove.....Dried Fruits and Jelly
- 34 Keyt, Mrs. J. E.....Crazy Quilt
- 29 Klumpke, J. W., 43 Fremont street.....Locks and Electrical Goods
- 11 Knapp, R. J., Half Moon Bay.....Side-hill plows
- 39 Knight, Geo. H.....Photographs and Views of the Fair
- 19 Knapp, Ernest, Menlo Park.....Violin made from Native woods, with a horse-shoe knife.
- 28 Knowles, Miss T. T., 873 Mission street.....Silk-gum Tissue
- 5 Kounnberg, C. H., 1110 Byrant street.....Fence Machine in operation in Pavilion. Model of Automatic Gate for Elevators.
- 19 Kohler & Chase, 26 O'Farrell street. ... ..Pianos, Æolians, Brass and Stringed Instruments.
- 32 Kreuger, J. H., 13 Trinity street.....Canes
- 12 Laity, A.....Wire Jewelry Manufactured at the Fair
- 16 Lamb, C. K., 716 Grove street.....Water Filters
- 46 Lane, Mark.....Walnuts
- 18 Larsen, Morton, 725 Market street.....Wood Carving
- 11 Lauffer, Oakland....Spring Tug Link for Vehicles
- 29 Laumeister Electric Works, 217 Mission street.....Dynamos in Operation.
- 34 La Verite Bazaar.....Exhibit of Human Hair and Dressing of Same
- 28 Lawrence, Mrs. E. O., 127 Turk street...Lawrence Method of Dress Fitting.
- 11 Ledden, J. A., 145 Beale street.....Peach-pitter and Tree-pruner
- 34 Lewis, E. M., Bolinas.....Shell-work
- 34 Lichtig, Miss Ethel, 1121 Howard street....Necklace, Bracelets and Earrings.
- 14 Liddle, R. & Co., 538 Washington street.....Guns and Fishing Tackle and Sporting Goods.



## CLASS.

- 24 Liebold Harness Co., 110 McAllister street.....Display of Harness of all Descriptions.
- 27 Limousin, Cy Prien, 114 Post street.....Gloves and Manufacture of Same.
- 46 Locke, T. J., Alhambra.....Oranges and Lemons
- 18 Long, Mrs. E. M....Transparent Mosaic Glass (her own patent and make.)
- 44 Lorillard, P. & Co., 217 Front street.....Display of Tobaccos
- 45 Lorquin, E. F., 1005 Market street.....Double Twin Lamb
- 46 Los Angeles Chamber of Commerce.....Products of the County
- 28 Lynn, A. H., 1170 Market street.....Dress-cutting Machine
- 13-17-18 Magary & McCraith, 2219 Folsom street.....Wood Mantels and Grate.
- 33 Makin, J. L.....Collection of Postage Stamps
- 18 Mallon, John, 19 Fremont street.....General Display of Art, Stained, Cut, Embossed and Bent Glass.
- 34 Menenberg, Mrs. A., Santa Cruz.....Antique German Picture of "King Edward III. Pardoning the Magistrates of Calais."
- 41 Manhattan Food Co., 623 Howard street....Stock and Poultry Food
- 27 Martin, C. F., 1019 Union street.....Walking-cane
- 21 Marwedel, E. H., 712 Mission street.....Bedsteads, Curtain-poles and Shades.
- 33 Marwedel, Mrs., Berkeley.....Kindergarten Work
- 11 Matlock, D. B., San Jose.....Fruit-gatherer in Operation
- 18 McAvoy & McKeon, Oakland.....Method of Preserving Piles
- 21 McCarthy, John.....Horn Furniture
- 41 McKee, J. L.....Display of Saratoga Chips
- 46 McKenzie, Mrs. Catherine, Santa Cruz.....Jellies and Antique Bronze, Captured at the Looting of the Emperor's Palace at Pekin, China, in the year 1700.
- 46 McLennon, F. P.....Sample Wools
- 46 Merced County.....Plants, Grasses and Products of the County of Merced.
- 20 Mersereau, A. S., 2237 Mission street.....Patent Top Carriages
- 28 Metz & Co., 1212 Market street. ....Artificial Flowers and Gloves, California Manufacture.
- 34 Metzger, Miss A., 1731 McAllister street.....Table-cover
- 13 Meyers, J. F., 863 Market street.....Gas Attachment for Ranges
- 28 Mihran, M. B., 16 Post street.....Oriental Rugs and Curios
- 37 Moorecrast, F.....Stone-engraving and Seal-cutting
- 34 Mordecia, Gertie, 120 Olive street.....1258 Buttons on a String
- 11-13 Moulton, E. C., 1211 Bush street.....Pea-shell-ers and Fruit-cleaner.

## CLASS.

- 19 Miller, Herman, 1346 Turk street.....Stringed Instruments
- 34 Mullaney, Miss D.....Fancy Work
- 45 Munz, Andrew, 211 Geary street .....Display of Horns
- 34 Murray, Mrs. A., 1311 Mason street.....Spanish Spread
- 2 Murray, A. B., San Rafael.....Water-motor for Small Machines
- 13 Nelson, W. C., Santa Rosa.....Parlor Kitchen Dish-washer,  
Vegetable-washer, Camp-chest and Napkin-supporter.
- 41 New Liverpool Salt Co., 109 California street.....General Display  
of Salt from the Salton Sea.
- 40 Nichols, Mrs. M.....Stillboma for Polishing Metals
- 24 Norcross, D. & Co., 230 Post street.....Case of World's Fair Badges
- 46 Northern California Citrus Fair Association.....General and  
Highly Artistic Display of the Citrus Products of the State.
- 20 O'Brien & Sons, Turk and Polk streets.....General Display of Car-  
riages and Vehicles, Novelty Wagon for Advertising, Carriage  
Material, etc.
- 34 Ochs, Amelia, 512 Haight street....Hand-painted Card-receiver and  
Polished Work.
- 1 Ohmen, W. H., Fremont street....Automatic Compound Engine in  
Operation.
- 20 Osborne & Alexander.....Bicycles
- 20 Overman Wheel Co., 309 Larkin street.....Victor Bicycles and  
Patent Pneumatic Tires and Cushion Tires.
- 20 Pacific Coast Manufacturing Co., 575 Mission street.....Carts and  
Shafts.
- 41 Pacific Coast Syrup Co., Steuart street.....Refined Maple Syrup,  
Maple Sugar and California Refined Cane Syrups.
- 7 Pacific Laundry Machinery Co., 51 Fremont street.....General Dis-  
play of Laundry Machinery.
- 21 Pacific Spring and Matrass Co., 762 Mission street.....Furniture,  
Matrasses, Spring-beds and Folding-beds.
- 1-5 Palmer & Rey, 405 Sansome street.....Gas and Gasoline Engines,  
Printing-presses and Wire-stretchers.
- 40 Paraffine Paint Co., 116 Battery street....Paints, Pile-covering and  
Roofing-paper.
- 16-36 Parker, G. W., Los Angeles.....Art Pottery and Manufacture
- 14 Patrick, B. H., 310 California street....Rubber Stamps and Stencils
- 46 Payne, Mrs. M., 361 Fifth street, Oakland....Process of Preserving  
Fruits.
- 37 Perrine, Miss Kate G.....Mirror and Picture-frame of Carved Work
- 34 Pettee, Mrs. J., 132 Waller street.....Cross made from Fish-scales
- 15-30 Pierce & Co., Chronicle Building....National Cash-registers and  
Automatic Computing-scales.

## CLASS.

- 34-37 Peano, F.....Bronzes made by the Lost Wax Proces
- 42-46 Placer County.....Products of Placer County
- 45 Plumas County.....Minerals from Plumas County
- 46 Purrington, Mrs. Frances, Sonoma County.....Products of Sonoma  
County, Miniature Model of Farm, Preserved Fruits, etc.
- 6 Radovich, L., 306 Kearny street.....Mining Machinery, Roll-paper  
printer, Car-coupler and Patent File-boxes.
- 46 Rancho del Valle, Alameda County.....Display of Hops
- 16 Rapid Safety Filter Co., 1209 Market street.....Exhibit of Filters  
for General Use.
- 13 Rathjen Bros., 218 Stockton street.....Coffee-pots
- 34 Raven, Mrs. S. A., 126 Scott street.....Quilt and Shams
- 46 Raymond, Miramonte, Kern County.....Display of Dried Figs
- 46 Rector, Mrs. B. S., Nevada City.....Jellies in Jars
- 18-34 Reeves, Miss S. J., Ukiah.....Table-cover and Panels of Native  
Woods Decorated with Wild-flowers.
- 16 Reilly, Charles J., 214 Montgomery avenue.....Hyatt Water-filter
- Robertson, W. H.....The Little World
- Roltair, H.....Optical Illusions
- 34-38 Rouls, Mrs. Georgiana, 1911 Stevenson street...Pine-cone Basket  
and Etchings on Bark.
- 18 Rowe, James, 46 Clara street.....Covering for Piles
- 34 Russell, Mrs. Catherine, 1034 Pine street .....Spanish Drawn Work
- 34 Sachaw, Wilhelmina.....Spanish Tidy
- 46 Sacramento County.....General Display of the Products of Sac-  
ramento County, Terra Cotta Work, Jellies, Jams, Preserved  
and Dried Fruit, etc.
- 16 Sanders & Co., 421 Mission street.....Copper Brandy-still
- 46 San Francisco Produce Exchange.....Grains and other Products of  
California.
- 40-42-46 San Luis Obispo Co.....General Display of Products of San  
Luis Obispo Co., Mineral Water and Wines.
- 46 Saratoga Packing Co., Saratoga.....Exhibit of Dried Prunes
- 28 Shell, Mrs. N., 616 Ellis street.....Individual Dress Form
- 8 Schenck, W. T. Y., 222 Market street.....General Display of Fire  
Apparatus.
- 18-32 Schroeder, Wm., 39 Fremont street.....Display of Display Art,  
Stained Ornamental and Cut Glass and Show-cases.
- 5 Scott & Bannan, 213 Sansome street.....Bar Lock Type-writer
- 40 Scott & Gilbert, Sacramento.....Exhibit of "Sassafras Sour "
- 22 Scott & Wright, 628 Market street.....Patent Billiard Table
- 15 Security Cash Register Co., 120 Sutter street.....The Security Cash  
and Autograph Register.



50 TWENTY-SEVENTH INDUSTRIAL EXPOSITION.

CLASS.

- 41 Seidl, J. & Co., 190 Stevenson street.....Display of Fruit Juice Tablets.
- 28 Seller Corset Co., 393 Sixth street..... ..Display of Corsets and Manufacture.
- 13-23 Shafer, S., 828 Broadway, Oakland.....Ventilator and Refrigerator.
- 21 Sherman, W. N., Merced.....Patent Canopy Frame
- 32 Shirpser Jewelry Co.....Display of Silver Spoons and Souvenir Spoons, Etched in Pavilion.
- 46 Shields, Mrs. E., Sacramento Co.....General Display of Dried Fruits.
- 34 Schau, Miss Helen.....Knitted Curtains
- 1-2 Schilling & Sons, 213 Maine street.....Gas Engines and Centrifugal Pump.
- 37 Schmidt, Rupert, The Strathmore.....Plaster Statue of California
- 19 Schomberd, H. & Co., Los Gatos.....California Made Piano
- 23 Smith, E. F., 420 Flora street, Stockton.....Patent Kitchen Cabinet.
- 28 Sonnenberg, S. & Co., 906 Market street.....Display of Gloves
- 37 Sonnenfeld, S., 331 Kearny street.....Fine Stone Cutting and Polishing.
- 46 Sonoma Preserve Co., Petaluma.....Display of Canned and Preserved Fruits, Vegetables, Pickles and Sauces.
- 46 Souther, W. H., Covina.....Display of Citrus Fruits
- 41 Sparrowe Bros., 101 Post street.....Display of Candies, Confectionery and Candied Fruit.
- 34 Sproul, W. R., 509 Fulton street.....Fish-lines Made From Horse-hair, by Hand.
- 45 State Mining Bureau, San Francisco..... ..Specimens of Ores, Minerals, Fossils, Relics and Curious Formations of Rocks.
- 39 Stateler, J. W., 209 Taylor street.....Landscape Photography
- 41 St. Charles Cream Co., Illinois.....Evaporated Cream
- 28 Stevens, C. W., 2 Wetmore Place.....Adjustable Shoulder-braces
- 23 Stevens Fruit-case Co., 221 Front street .....Patent Fruit-carrier
- 21 Taylor, M. C., Grass Valley....Bed-frame with Movable Attachment for Lifting and Removing Sick People.
- 28 Thomas, F. & G., 318 Eleventh street..... Cleaned and Dyed Articles and Process of Same.
- 30 Thompson, M. G., Boston.....Microscopes
- 40 Thompson Manufacturing Co.....Cherry-phosphates
- 35 Thorp, Miss Adelia, 1615 Howard street.....Oil-paintings of Cat, Dog and Apples (outside art-gallery).
- 34 Thorp, Miss Lizzie, 1615 Howard street .....Hand-made Quilt



## CLASS.

- 2 Trowbridge & Dykes, Berkeley... General Display of Triple Action Pumps.
- 19 Unger, Cress, 26 Montgomery street.....Stringed Instruments and Banjos.
- 9 Union Iron Works, Potrero .....Models of United States Vessels, Charleston, Cruiser and Line of Battle Ship Oregon.
- 20 Unrath, Peter, 2423 Mission street.....Milk-wagon
- 20 Varney, T. H. B., 1041 Market street.....Bicycles, Pneumatic Tires and Pneumatic and Tubed Sulkies.
- 10-12 Washburne & Moen Manufacturing Co., 8 Pine street...General Display of Wire, Wire-cloth, Submarine Cables and the Process of Weaving Wire-cloth.
- 46 Waterman, W. W., Loral, Cal.....Sheaf of Volunteer Wild-oats, Harvested 1200 Feet above Sea-level.
- 19 Wells, George F., 1360 Market street.....Pianos and Vocalion and Stringed Instruments.
- 45 Wells, Fargo & Co., San Francisco.....Relics and Curiosities of Pioneer Days in the Express Business.
- 41 Williams, Brown & Co., 309 Front street.....Royal Dutch Cocoa, Cocoa-coffee, Condensed Milk, Maple-syrup and Evaporated Cream.
- 5 Willis & Landgrave, 2009 Howard street.....Patent Fare-box for Street Railways.
- 47 Wilson, Joseph, Duarte, Cal.....Dried Fruits, Original Process
- 23 Woerner, David, Main street.....Display of Cooperage  
Women's Auxiliary Corps of World's Fair Commission of California.....General Display of Women's Work Intended for the Columbian Exposition.
- 38 Wolfe, J. E.....Mechanical Drawings
- 49 Wood, W., Riverside Cal .....Orange-trees One Year Old
- 7 Wood & Rowley, 221 Powell street.....Hand Washing-machine
- 6 Woodbury, George E., 213 First street.....Wet Concentrator
- 21 Worden, F. G., 808 Valencia street.....Reclining Rocking-chair  
World's Fair Commission of Californiaa....Models in Rubber of the Food-fishes of the Pacific Coast.
- 40 Yucca Root Soap Co., 1116 Mission street.....Soaps of all Kinds Manufactured from the Root of the Yucca Plant.

# CATALOGUE

OF THE

## ART DEPARTMENT.

### OIL PAINTINGS.

<i>Title</i>	<i>Artist</i>
A Study of Lilacs .....	Miss Amanda Austin
Curio Study .....	Miss Louise M. Carpenter
Roses .....	Miss Mazie E. Nicoll
Nature's Architecture .....	Frank L. Heath
The Spinster of Zeven .....	C. M. Frederick Pape, Jr.
Study of a Head .....	E. McFarland
Study of a Head .....	E. McFarland
Study of a Head .....	E. McFarland
Tokay Grapes .....	Louise M. Carpenter
Adrift on a Lee Shore .....	Norton Bush
A Misty Morning .....	L. K. Lattimer
Red Roses .....	Miss J. R. McElroy
San Luis Rey Mission .....	Miss Edith A. Young
A Modern Witch of Endor .....	Oscar Kunath
Sherwood Hall Chrysanthemums .....	Alice B. Chittenden
Good Morning .....	Oscar Kunath
Good Evening .....	Oscar Kunath
Moonlight on the Bay of San Francisco .....	Norton Bush
Merchant-street Poultry .....	Maren M. Froelich
Sofrano Roses .....	Sarah B. Bender
Asters .....	Sarah B. Bender

<i>Title</i>	<i>Artist</i>
A Modern Philosopher.....	Selina Newman
Chinese Musical Instruments.....	Mazie E. Nicoll
Portrait of a Lady.....	S. W. Shaw
California Oaks .....	Wm. Keith
Portrait of the Late Hall McAllister.....	Julius Ludovici
Driving the Last Spike.....	Thomas Hill
An Autumn Sunset.....	Wm. Keith
Portrait of Wm. Keith.....	Julius Ludovici
Study of Chrysanthemums from Nature.....	Mazie E. Nicoll
Portrait of a Lady.....	Julius Ludovici
Cities of the Golden Gate.....	R. D. Yelland
Lenten Lilies .....	Mary Curtis Richardson
Afternoon—Old San Luis Rey Mission, Cal.....	Evelyn McCormick
Portrait.....	Oscar Kunath
Portrait of General Grant .....	Addie L. Ballou
The Rising Moon.....	R. D. Yelland
From the Garden I Love So Well.....	Nellie E. Burrell
Madonna .....	Oscar Kunath
The Twins.....	Mary Curtis Richardson
California Poppies.....	Sarah E. Bender
Tokay Grapes from the Mountains .....	Mrs. M. K. Irving
City of Santa Cruz.....	Frank L. Heath
Fishermen on the Coast of Capri.....	Virgil Williams
Fisherman's Family.....	Virgil Williams
Feeding Time.....	Virgil Williams
Wall Flowers.....	Miss H. F. Wilson
Corner in a Garden.....	C. E. Bodwell
Early Summer Storm in Sonoma County, Cal.....	Wm. Keith
The Offering to the Gods ..	A. Joullin
A Still-Life Study.....	Wm. Hubaek
A Winter Moonlight in California.....	Wm. Keith
Autumn Fruits from Nature .....	Miss J. R. McElroy
Relics of Early Days.....	C. E. Bodwell
The Yosemite Valley from Inspiration Point.....	Thomas Hill
Rio Obispo—Isthmus of Panama.....	Norton Bush



<i>Title</i>	<i>Artist</i>
Portrait.....	E. Narjot
Steamer Day on the Monterey Coast.....	R. D. Yelland
Father's Home.....	Frederich L. M. Pape, Jr.
Mother's Home.....	Frederich L. M. Pape, Jr.
Sundown.....	Susan Sroufe
Donner Lake.....	Kate H. Maher
Red Roses.....	Martha Patterson
Early Morning in the Alameda Marshes.....	Wm. Hubaeck
Crater Lake, Alpine County, Cal.....	Wm. Keith
Bavarian Peasant.....	S. Lando
Donkey's Head, "Pedro".....	Mrs. C. L. Boyne
A Bavarian Peasant Woman.....	S. Lando
Pascola—A Mexican Indian Dance.....	E. Narjot
Morning Glories Over a Fence.....	Amanda Austin
Roses Over a Garden Fence.....	Amanda Austin
A Mexican-Indian Horse Race. . . . .	E. Narjot
"Ilka".....	Eva Withow
Study of Grapes from Nature.....	Miss J. R. McElroy
Afternoon at Ginerney, France.....	Evelyn McCormick
Yellow Roses.....	Miss J. R. McElroy
French Interior—"A Stitch in Time".....	Emily S. Rider
Tea Roses.....	Wm. Hubaeck
Japanese Still Life.....	Maren M. Froelich
Orange Clings.....	M. S. Brown
Fancy Head.....	Oscar Kunath
Desert.....	C. P. Cook
Maud Morgan with Harp.....	Julius Ludovici
Good Truck.....	C. P. Cook
Brown Eyes.....	Oscar Kunath
Japanese Armor.....	G. Cadenasse
Mexican Pottery.....	Mazie E. Nicoll
Tropical Fruits.....	Miss J. R. McElroy
After Midnight.....	Julius Ludovici
Still Life.....	Selina Newman
Peonies.....	Alice B. Chittenden



<i>Title</i>	<i>Artist</i>
School Hour.....	Horace Duesberry
Portrait of Mr. Underhill.....	Selina Newman
Music Study.....	Miss J. R. McElroy
A Bright Glimpse from the Vineyard.....	Martha Patterson
Constance.....	Mary Curtis Richardson
Portrait of the Lady.....	Horace Duesberry
Harem Girls.....	Frederich L. M. Pape, Jr.
Guardian of Harem Door (Egypt) .....	Frederich L. M. Pape, Jr.
In a Bad Humor.....	Oscar Kunath
A Study of Chrysanthemums from Nature.....	L. M. Carpenter
A Venetian Lady of the Sixteenth Century .....	Oscar Kunath
A Royal Pair.....	Nellie E. Burrell
The Puzzled Musician.....	S. Lando
Sunrise in Egypt.....	Frederich L. M. Pape, Jr.
Still Life—Oranges.....	Selina Newman
Morning Psalm.....	Lou E. Wall
Purple Violets—Study from Nature.....	Susan Merrill Farnum
A Grizzly Giant.....	Thomas Hill
Wawona.....	Thomas Hill
Big Tree Wawona.....	Thomas Hill
A Rose Study.....	Alice B. Chittenden
Portrait of a Lady.....	Horace Duesberry
A Corner in a Placer County Vineyard .....	Mrs. M. K. Irving
Millinery Workroom.....	Maren M. Froelich
Papa Gontier Roses.....	Alice B. Chittenden
Morning in the Andes of Peru .....	Norton Bush
Preparing for Dinner.....	C. E. Bodwell
Meditation.....	Julius Ludovici
Chrysanthemums.....	G. Peterson
Chrysanthemums.....	G. Peterson
Morning Service in an Old French Church .....	Earnest C. Peixotto
A Cold November Day.....	Earnest C. Peixotto
The Rising Moon, Monterey Bay .....	R. D. Yelland
Apple Blossoms.....	Ella E. Burrell
Waiting .....	Julius Ludovici

<i>Title</i>	<i>Artist</i>
Sundown.....	Susan Sroufe
Give Us a Trial .....	C. P. Cook
Indian Poppies.....	Martha Patterson
Study of Vegetables.....	Wm. Hubaek
Ready for the Cook.....	C. P. Cook
Portrait of the Late Walt Whitman.....	H. Duesberry
Chinese Melons.....	Louise M. Carpenter
Donner Lake.....	Kate H. Mayer

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## WATER COLORS.

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Near Baker's Beach .....	K. Takahashi
A Cloudy Day.....	Susan Sroufe
White Oak, Ben Lomond, Cal.....	K. Takahashi
Water Fall, Ben Lomond, Cal.....	K. Takahashi
Ben Lomond, Cal .....	K. Takahashi
Redwood near Felton, Cal.....	K. Takahashi
News Boy .....	K. Katahashi
Study of Boats.....	K. Takahashi
Near Baker's Beach.....	K. Takahashi
Hillside, Ben Lomond, Cal.....	K. Takahashi
Big Tree, "Giant" .....	K. Takahashi
Baker's Beach.....	K. Takahashi
Study of a Head .....	K. Takahashi
El Campo, Cal.....	K. Takahashi
Big Tree Grove near Felton, Cal.....	K. Takahashi
Water Fall, Ben Lomond, Cal.....	K. Takahashi
Evening on Bay of San Francisco.....	K. Takahashi
Study of a Head.....	K. Takahashi
Evening at Ben Lomond, Cal.....	K. Takahashi
California Oak in Balverdia .....	K. Takahashi
San Francisco Bay.....	K. Takahashi
The Woodman's Home.....	K. Takahashi
Morning—Ben Lomond, Cal.....	K. Takahashi

<i>Title</i>	<i>Artist</i>
Glen—Ben Lomond, Cal.....	K. Takahashi
Helmet Rock, San Francisco Bay.....	K. Takahashi
Old Mill, Ben Lomond, Cal.....	K. Takahashi
In the Redwoods, Ben Lomond, Cal .....	K. Takahashi
The Afternoon Light in the Big Trees.....	K. Takahashi
Mission San Antonio de Pauda.....	H. C. Ford
Mission Dolores .....	H. C. Ford
Mission La Purissima Concepcion .....	H. C. Ford
Mission San Fernando.....	H. C. Ford
Mission San Buena Ventura.....	H. C. Ford
Mission Santa Ynez.....	H. C. Ford
Mission San Luis Obispo de Tolozo.....	H. C. Ford
Mission La Purissima Concepcion....	H. C. Ford
Mission Santa Clara.....	H. C. Ford
Mission San Gabriel.....	H. C. Ford
Mission San Jose.....	H. C. Ford
Pala (Mission Station Attached to San Luis Rey).....	H. C. Ford
A Corner of the Conservatory.....	Dora N. Williams
Spring Flowers.....	Dora N. Williams
Mission San Miguel.....	H. C. Ford
Mission Santa Barbara.....	H. C. Ford
Mission Na sa de la Soledad.....	H. C. Ford
Mission San Carlos de Monterey.....	H. C. Ford
Mission San Juan Buantista .....	H. C. Ford
Mission Santa Cruz....	H. C. Ford
Mission San Luis Réy de Francia .....	H. C. Ford
Mission San Juan Capistrano.....	H. C. Ford
Mission Santa Margarita.....	H. C. Ford
Mission San Diego.....	H. C. Ford
Mission San Rafael .....	H. C. Ford
Mission San Francisco de Solano.....	H. C. Ford
Chinese Junk on San Francisco Bay.....	Mrs. C. P. Payne
Golden Gate Strait, Cal.....	Mrs. C. P. Payne
Foot of Third Street, San Francisco.....	Mrs. C. P. Payne
Road near Sonoma, Cal.....	Mrs. C. P. Payne



<i>Title</i>	<i>Artist</i>
On Austin Creek, Cal.....	Mrs. C. P. Payne
Misty Morning on the Bay.....	Mrs. Hattie Foster Beecher
Indian Girl Gathering Herbs .....	Mrs. Hattie Foster Beecher
The House on the Cliff.....	Mrs. Hattie Foster Beecher.
View on Puget Sound .....	Mrs. Hattie Foster Beecher
Song.....	Oscar Kunath
Youth.....	Oscar Kunath
Chinese Girl.....	Miss Lou Wall
Cherokee Roses.....	Mrs. H. Kelley
Clematis.....	Mrs. H. Kelley
Vase of Poppies.....	Mrs. Dora M. Williams
Study.....	Miss Lou Wall
The Anarchist.....	Miss Lou Wall
A California Creek.....	L. P. Lattimer
In the Redwoods.....	L. P. Lattimer
Decorative Art.....	Oscar Kunath
California Fruits from Nature.....	William S. Reyder
A Double.....	H. R. Hopps
In the Blind.....	H. R. Hopps

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## NATURAL FLORA.

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*Part of a Collection of the Natural Flora of California, Being  
Painted for the California Columbian Exposition.*

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The Wild Felox .....	Miss F. Butler
Merteused Siberia .....	Miss F. Butler
Rudgchia California.....	Miss F. Butler
Biglovia Graveoleus .....	Miss F. Butler
Dogwood and Blackberry.....	Miss F. Butler
Marghantia Pxymorplia .....	Miss F. Butler
Wild Cyclamen.....	Miss F. Butler
Godetias .....	Miss F. Butler

<i>Title</i>	<i>Artist</i>
Clintonia Andrewsiaum.....	Miss F. Butler
Helmum Bigclorie.....	Miss F. Butler
Gilia Virgata.....	Miss F. Butler
Godetias .....	Miss F. Butler
Rabbits' Brush, Lake Tahoe.....	Miss F. Butler
Pyrola Picta.....	Miss F. Butler
Gilia Aggregate .....	Miss F. Butler
Gilia Capillaris .....	Miss F. Butler
Gentianana .....	Miss F. Butler
Eriogonium Lobbu.....	Miss F. Butler

## OIL PAINTINGS.

Duchess de Brabant Roses .....	Lucy F. Adams
Pleasant Thoughts .....	Mrs. E. Dalton Bond
A Brown Study .....	Mrs. E. Dalton Bond
John Chinaman .....	Mrs. E. Dalton Bond
Portrait of a Gentleman.....	Mrs. E. Dalton Bond
California Fruits .....	Mrs. M. S. Brown
California Peaches .....	Mrs. M. S. Brown
A Study of Bric-a-Brac .....	Mrs. M. S. Brown
California Muscatels .....	Mrs. M. S. Brown
Violets.....	Lucy F. Adams
Fleur de Lis.....	Lucy F. Adams
Jonquils and Narcissus .....	Lucy F. Adams
Nasturtiums ... ..	Lucy F. Adams
Perle des Jardines Roses.....	Lucy F. Adams
Lake Angeline .....	Kate H. Maher
Ripe from the Corn Field.....	Miss Irene Taylor
Old San Luis Rey Mission, California.....	Miss M. Evelyn McCormick
Deserted Indian Camp.....	Susan Sroufe
Salton Sea, Colorado Desert.....	Susan Sroufe
San Gronia Pass, Colorado .....	Susan Sroufe
Mirage on the Colorado Desert .....	Susan Sroufe
Fresh from the Garden.....	Nellie E. Burrell
Coquetry.....	George Boedewig
Old San Luis Rey Mission .....	

# Report of the Committees of Awards

UPON THE

VARIOUS ARTICLES EXHIBITED

AT THE

## Twenty-Seventh Industrial Exposition

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The recommendations of the Jurors as to what the premiums should be have been omitted from the Reports; the awards, as given by the Board of Managers, are made in accordance with the Premium List, except where specially mentioned. In a few instances meritorious articles were unintentionally overlooked or omitted by the Committees in their examination. Such cases were considered by the managers and will be found in the proper Class. ALL awards, either Medals or Diplomas, are FIRST PREMIUMS, no second best being given, except as specified in the Premium List, Divisions VI and VII.

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### DIVISION I.

#### Manufactured Products—Machinery.

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#### CLASS No. 1

##### **Engines, Boilers and Appliances.**

*To the President and Board of Trustees of the 27th Exposition:*

GENTLEMEN:—In compliance with your request we have carefully examined the various exhibits in Division I, and take pleasure in reporting as follows:

As it is necessary, in order that a correct and interesting description be given of the various exhibits of machinery under this class, to have such descriptions given by the persons operating or manufacturing them,



a request has been forwarded to the exhibitors to furnish such matter as would give the desired information. On account of the failure, upon the part of some, to comply with the request, it is not possible to give as full and comprehensive a report as is desirable.

An endeavor has been put forth, however, to make the following report as interesting and as full as possible under the circumstances.

PALMER & REY.—Gas or Vapor Engines Grand Bronze Medal

CRANE COMPANY.—Exhibit of Appliances for Steam Engines and Boilers, all kinds of Steam and Water Gates and Fittings, Plumbers' Goods, etc. The following awards were made to this Company in Class I:

For best Low Water Indicator for Steam Boilers,	Diploma
Best Safety Valve for Steam Boilers,	Diploma

L. RADOVICH.—Lubricators for Cylinders.

HEWSON MOTOR COMPANY.—The display made by this Company was of their well known Steam Rotary Motor, which was utilized during the Exposition to drive a rotary pump made by Byron Jackson. The principles of this motor are familiar to engineers, being similar to the Hewson Water Motor fully described in previous reports of Industrial Exhibitions.

A. SCHILLING & SONS.—Gas or Vapor Engines.

For best Gas or Vapor Engines,	Silver Medal
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W. H. OHMEN.—Automatic Compound Steam Engine with non-detachable valve gear; Pacific Coast manufacture Gold Medal

The main feature of this engine is that the high pressure cylinder joined to the low pressure cylinder by a flanged head being placed between the two cylinders and in this head is formed the packing glands, the pistons being of the usual construction and both attached to the same rod. The low pressure cylinder is provided with a common slide valve and operated by a valve rod. The high pressure cylinder is furnished with oscillating valves, one being the main distributing valve and the other the cut-off valve for regulating the admission of steam, being controlled by means of a centrifugal governor that determines the time of its closing in the usual manner of cut off engines. Both high pressure valves are operated by cranks and valve rods. It will be observed that by employing oscillating valves for the high pressure cylinder and a slide valve on the expansion cylinder, the position of the motion rods for operating these valves is such that no interference results and that these rods can extend directly from the cylinders to the

valves. A test of a sixty horse-power engine of this style showed twenty pounds of water per horse-power per hour. The patent was granted covering the above improvements on May 10th, 1892.

AMERICAN BALANCE SLIDE VALVE CO.—The exhibit of the Slide Valves and Pistons made by this Company were, as usual, full and comprehensive. There were several of the valves exhibited which had been in use on locomotives of the Southern Pacific Co. for upwards of four years and which showed so little wear that there was practically none at all and the faces of the valves were smooth, true and equal as the day they were applied. Unfortunately this display was entered too late for competition and was therefore debarred from competing for an award, but the valve and piston have taken several awards at previous exhibitions and are certainly worthy of special mention.

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## CLASS No. 2.

### Hydraulic Machinery and Steam Pumps.

TROWBRIDGE & DYKES.—General display of Irrigating Pumps; Triplex action. These pumps are operated with a triple plunger which causes a steady stream without the usual intermittent flow of the ordinary pump. There were also a number of ships' pumps displayed which are constructed on the same plan as the Irrigating Pumps. The awards for this firm were as follows:

For best Ship's Pump,	Silver Medal
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For best display of Triplex Irrigating Pumps,	Diploma
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DOW STEAM PUMP WORKS.—General display of Steam Pumps for Irrigation, Ships and Mining purposes. Dow's Deep Well Pump, Plunger Pumps, Vertical Boiler Feed Pumps, Wine Pumps, Direct Acting Air-Compressor and Receiver, Dow's Speed Governor and Air Pump and Jet Compressors.

The Dow Steam Pump Works occupied a prominent position in the Machinery Department and the display was fully up to the standard of such displays in past Expositions. The familiarity with these pumps, which is shared by all mechanics who have visited the Fairs, leaves no need to go into detail regarding them. For the magnificent display of Pumps and apparatus there was made an award of a

Gold Medal.

CLEVELAND FAUCET CO.—Hydraulic Air Compressors, Beer Pumps and Coolers, Faucets, Cooler Corks, Gauges and Regulators, Novelty and Combination Ice Boxes and Reservoirs.



Situated as this display was, immediately under the glass roof of the south end of the garden, and obtaining light from above upon the highly polished and shining metal apparatus, it presented to the view of the spectator a handsome and attractive appearance. The background was a handsome bar and the surrounding pieces were all appropriate to the situation. The merits of the various pieces of work were thoroughly examined into and the following awards made:

For Air Compressors, Beer Coolers and Faucets,	Silver Medal
For Brass and Copper Beer Faucets,	Grand Bronze Medal
A. B. MURRAY.—Murray's Patent Water Motor for Light Machinery.	
This very ingenious little Motor is a combination of several principles of Hydraulics and is by far the best of the kind which has been seen in the Fair for many years. It is a decided improvement upon those which have preceded it and its worth was fully demonstrated during the exhibition, as there were a number of the wheels in operation driving sewing machines, coffee mills and other apparatus. The main objection to such Motors has been the large quantity of water-power required to operate them, and the insufficient outlet for the overflow. These objections are entirely overcome in this Motor, as it does not require over 60 lbs. pressure and the jet is so small that it takes a very slight amount of water to drive it.	
For best Water Motor for light machinery	Diploma
CRANE COMPANY.—Windmill and Hand-pumps	Silver Medal
A. SCHILLING & SON.—Display of Centrifugal Pumps.	
GEORGE CUMMING.—Display of portable forges.	Silver Medal

### CLASS No. 3.

#### Metal Working Machinery.

CALIFORNIA WIRE WORKS.—Barb-wire Fence Machines, Staple Machine and Nail Machines in operation. There were a number of Nail Machines at work showing the process of manufacturing Nails from wire. The coil is placed upon a reel attached to the machine, and slowly unwound and passed into the receptacle. The jaws of the machine close and form the point, and at the same time the head is stamped on by a single motion of the attachment and the completed Nail is dropped into a box under the machine. These machines will turn out from 350 to 500 nails per minute.

The Barb Wire Fence Machines insert the pointed barbs, twist the wire and coil the same on spools in one operation ready for the market.

For Best Wire Nail Machine.	Grand Silver Medal
For Best Wire Staple Machine.	Diploma



**CLASS No. 4.****Wood Working Machinery.**

(No Exhibits made under this head.)

**CLASS No. 5.****Miscellaneous Machinery.**

PALMER & REY.—Display of Printing Apparatus and Machinery, Foot and Power Presses, etc.

For Best Display of Printing Machinery, Pacific Coast Manufacture. Grand Silver Medal

For Best Foot and Power Presses. Silver Medal

SCOTT & BANNON.—Barlock Typewriter.

C. A. McDOUGAL.—Roll Paper Printer Bronze Medal

CRANE COMPANY.—Windmill, Pacific Coast Manufacture.

For Best Windmill. Silver Medal

SAN FRANCISCO CHRONICLE.—Display of Stereotype Plates and Work.

The *Chronicle* had a large assortment of Plates and work showing the method of preparing and printing the sheets of that well known journal. Grand Bronze Medal

E. W. HILL.—Edison's Mimeograph. Diploma

DUKE & BERGER.—Paper Cutters.

LEO ALEXANDER.—Smith Premier Typewriter.

A. S. HALLIDIE.—Improved Clip for Wire Ropeway.

L. H. CONDON & Co.—New Yost Typewriter.

WILLIS & LANDGRAVE.—Fare Box for Street Cars. Diploma

W. R. ELLIS.—Patent Rotary Meat Chopper. Bronze Medal

GEORGE E. WOODBURY.—Display of Mining Machinery and Apparatus, Wet Concentrators, etc.

For Wet Concentrator in operation. Grand Silver Medal

**CLASS No. 6.****Mining Machinery and Appliances.**

E. G. DENNISTON.—Amalgamated Mining Plates. Silver Medal

L. RADOVICH.—Ore Crusher in operation. Bronze Medal

A. S. HALLIDIE.—Apparatus for transporting Ore, illustrated by a complete working model showing its construction and operation.

The Hallidie Ropeway was invented by Mr. A. S. Hallidie in 1871, and has been in use for twenty-two years, and while many important improvements have been made and patented during that time, the *principle* of the system remains the same as when first put into operation by the inventor. Similarly the cable railway invented by the same gentleman immediately after the completion of his ropeway, and put into operation by him in 1873 in San Francisco, has been improved in detail, but the principles and predominating features remain the same.

The essential feature of this Ropeway has been and is a single moving rope with a fixed clip or carrier attachment; and from this feature there has been no good reason to depart during the twenty-two years it has been in operation.

The Clip attachment is made of steel and consists of five parts, a shank, the leaf, a key, a bolt and nut. The part that wears out is the leaf which surrounds the rope, and by means of the bolt and nut and key hold the shank in position. The key is used to tighten up the leaf when the rope becomes smaller, or the leaf becomes larger by wear. The leaf, when worn out, is removed by driving out the key and removing the bolt, a new leaf is then put on and secured by the bolt and key as before. This occupies a very short time, and the expenditure of about 75 cents for a new leaf.

This improved Clip was patented January 12, 1892, and is the result of careful thought, time and experiment. It has been tested under hanging loads, and sustained a load of 2,000 pounds before showing any weakness, and 2,500 pounds before being sufficiently distorted to prevent it passing the station sheaves and horizontal end pulleys.

Usually the carrier or bucket, which is self-dumping, is attached by a bale and hanger directly to the lugs of the clip by a bolt and nut. The carrier complete weighs about 70 pounds, and contains 100 pounds of ore. Under this arrangement the load is fixed to the rope and travels with it, and the carrier is filled while passing and while the rope is moving at a speed of about three feet per second. It is not, however, necessary that the *load* should be *fixed* to the moving rope or that the load should be limited to 100 pounds in weight, as each clip, as ordinarily made, is capable of holding 400 pounds under a factor of safety of five, and the number of clips can be increased to any reasonable number desired and the load increased in proportion, but years of experience advise that the most satisfactory result in delivering ore, or similar

material, can be obtained by single loads of from 100 to 200 pounds.

The Grip Pulley is to transmit power to or from the rope. This pulley has been improved from time to time and three patents have been issued to Mr. Hallidie for the same, the last of which is dated, 27th September, 1892.

Its operation is as follows: There are a number of grips or hinged jaws attached to the periphery of the pulley into which the rope enters, and pressing on the bottom of the jaws causes them to grip or close over the rope, the amount of gripping power being determined by the length and travel of the jaws and the pressure from the rope.

Formerly the jaws of the grip sat in pockets cast in the periphery of the pulley, but it was found impracticable to get the pockets of uniform depths, and many of the grips were useless in consequence. In the improved grip pulley the pockets are done away with, and a continuous groove takes their places, ensuring uniformity of distance, duty of every grip, and greater simplicity in construction. The grips are held in position by webs cast on them, which fit loosely into slots in the outer edge of the pulley.

The Grip Pulley is built up of parts which can be separated and put in parcels to pack on mule back, as are all other parts of the Hallidie Ropeway. Every part is marked, and can be put together on the ground by any intelligent mechanic.

Its excellence may be judged from a partial list recently published of 58 mining companies and manufacturers using the invention, aggregating over 249,000 feet in length.

The above and his Dumping Car or Ore Bucket are entitled to the highest award.

JOSHUA HENDY MACHINE WORKS.—General display of Mining Machinery, consisting of Ore Cars, Feeders, Hydraulic Giants, Model of Hydraulic Elevator, etc. Gold Medal

J. B. FREEMAN.—Dry Concentrator. Bronze Medal

## CLASS No. 7.

### Laundry Machinery.

PACIFIC LAUNDRY MACHINERY COMPANY.—General display of Laundry Machinery.

For Best Display of Laundry Machinery. Silver Medal

For Best Clothes Drier. Diploma

A. CHROME.—Best Hand Washing Machine. Bronze Medal



## CLASS No. 8.

**Fire Apparatus.**

W. T. Y. SCHENCK.—General assortment of Apparatus for Extinguishing Fires—Hand Engines, Hydrants, Hose, Hose Reels, Hemp Packing, Lanterns, Helmets, Torches, Shut-off Nozzles, etc.

For Best Display of Fire Department Apparatus. Silver Medal

## CLASS No. 9.

**Marine.**

CANADIAN PACIFIC RAILWAY CO.—Model of Ocean Steamship “Empress of India.” This model was brought here from the East, especially for exhibition at this Fair. It is an exquisite piece of workmanship and represents the steamers of the “Empress Line” from Victoria to Japan and China, connecting with the Canadian Pacific Railway at the former port. Silver Medal

GEO. H. DUFF.—Best Model of Schooner, Pacific Coast Mf’r. Diploma

PARAFFINE PAINT CO.—Samples of Covering for protection of Piles from the ravages of the Teredo.

MCAVOY & MCKEON.—Pile covering and preparation for the preservation of Piles and Timbers.

JAS. ROWE.—Patent Pile Protector.

For Best Pile Covering

Silver Medal

Objection to the award being given to Mr. Rowe was filed by his competitors, and by Resolution of the Board, the matter was referred to the Committee on Rules and Awards, Messrs. Lewis, Manson and Macdonald, who called a meeting of the parties interested, and they, mutually agreed that the matter be left to a committee, whose names were satisfactory, who reported as follows:

SAN FRANCISCO, CAL., March 25th, 1893.

*To the President and Board of Directors, Mechanics’ Institute, City.*

GENTLEMEN: Your jurors, appointed to examine into the relative merits of the three Pile Coverings and Protectors exhibited at the late 27th Exposition, viz: McAvoy & McKeon, James Rowe and Paraffine Paint Co., beg to say that we have this day made a careful examination of the samples submitted to us by the representatives of the above parties, and after listening to the statements of these gentlemen, and after mature

consideration, we have unanimously decided that the "Rowe System" offers the best advantages for the protection or preservation of Piles against the action of the Teredo and Limnoria, and is therefore entitled to the Institute award.

Respectfully submitted,

(Signed) JOHN BIRMINGHAM,

CALVIN BROWN,

FRANK K. ZOOK.

Committee.

### CLASS No. 10.

#### **Sewing, Knitting and Braiding Machines and Looms.**

**CALIFORNIA WIRE WORKS.**—There was upon exhibition in this display, a peculiar piece of machinery which has never before been exhibited upon this Coast. It was an apparatus for the manufacture of wire-netting. Heretofore this work has been performed by hand and was a long and laborious operation, but the machine above mentioned does the same work in an extraordinarily short space of time being operated easily by one small boy whose only duty is to watch the numerous wires to prevent the breakage or slipping of the same.

**WASHBURN & MOEN MANUFACTURING CO.**—Hand Loom for weaving Wire-Cloth in operation. This was an interesting exhibition of the art of weaving the common wire-cloth of commerce and attracted considerable attention while in operation each evening.

For best Loom for weaving Wire-Cloth, Silver Medal

**WM. HILTON.**—Hand Loom for weaving Silk fabrics. This machine was the first that has been seen at the Fair for many years and differed from others in the peculiarity of its action.

For best Loom for weaving Silk Cloth, in operation, Silver Medal

**GRAHAM DECORATIVE ART CO.**—Spinning wheel of ancient Irish make and known to have been in the possession of one family for upwards of 300 years. The spokes of this venerable wheel are so soft as to give to the touch, and an indelible impression may be made with the finger-nail. The wheel was operated each afternoon and evening by an old lady of 75 years, who in her youth was an expert upon the apparatus, and gave a practical exhibition of the manner in which our grandmothers made the cloth for their men-folks in "Ye Olden Tymme."

For this display there was awarded a

Diploma

## CLASS No. II.

**Agricultural Implements.**

D. B. MATLOCK.—Fruit gatherer. Mr. Matlock gave a practical exhibition of the operation of his gatherer and it was witnessed nightly by a highly interested number of spectators. The apparatus consists of a metal or wire basket, firmly attached to a pole of any desired length, and a cutter which is operated by the person handling it, from the ground, thus avoiding the necessity of climbing a tree or using a ladder. The basket, or receptacle, having been placed immediately under the fruit, a single motion of the lever attached to handle operates the cutter and the fruit drops into the basket uninjured, and is brought to the ground in good condition. Diploma.

BAKER & HAMILTON.—The usual display of Agricultural Implements by this firm, though not so large as has been customary, still contained many articles of great interest to the visitor from the interior. Several awards were made in this display of which the following is a list.

For Best Sulky Plow.	Diploma
Best Gang Plow.	Silver Medal
Best Plow for general purposes.	Diploma
Best Harrow.	Bronze Medal
Best Seed Sewer.	Diploma
Best Riding Cultivator.	Bronze Medal

J. A. BILZ, Livermore.—Plows.

For Best Vineyard Plow (double).	Silver Medal
Best Vineyard Plow (single).	Silver Medal

GEO. STEVENS.—Fruit Packer. Cases with compartments for prevention of bruising fruit.

For Best Fruit Packer.	Silver Medal
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J. A. LEDDEN.—For Best Pruning Shears.

For Best Fruit Pitter.	Silver Medal
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C. H. KOUNBERG.—Fence Making Machine and model of Elevator Gate. The machine for making fence was in operation each evening and the manufacture of wire and lath fence was illustrated to the interest of many who witnessed the performance of the machine.

For Best Fence Machine.	Diploma
Best Model of Elevator Gate.	Diploma

R. J. KNAPP.—Side-Hill Plow.

Diploma



J. B. LAUFFLER.—Spring Tug Link. This little invention is of incalculable value to the owners of fine teams, and although simple is calculated to save the intense strain upon teams and drawing-gear of vehicles when starting a heavy load. Silver Medal

E. C. MOULTON.—Pea-sheller and Fruit Cleaner. Mr. Moulton has made a number of improvements upon these machines since the 26th Exposition, at which they were first shown. The facility with which these shellers perform their work is wonderful and a practical illustration was afforded all who visited the Exhibition, as they were in operation daily. Grand Bronze Medal

Yours respectfully,

(Signed) JOHN B. CLOT,

J. B. JARDINE,

J. G. SHEPARD.

Committee.

## DIVISION II.

### Manufactured Products, Metals.

#### CLASS No. 12.

##### Iron, Steel and Lead.

J. P. BROWNE—Horse-shoes of California manufacture. There were three cases of these shoes, which were all made by the hand of the owner himself, and representing over sixty styles and patterns of horse, mule, ox and other shoes, highly and finely wrought and finished. Bronze Medal

WASHBURN & MOEN MANUFACTURING Co.—Display of Wire and Wire-goods. A general exhibit of the manufactured articles from wire which are found in the market. The process of weaving wire-cloth was shown in this exhibit every day and evening.

For Artistic Display of Wire and Wire-goods, Grand Silver Medal

C. A. MCDUGAL.—Automatic Car Coupler. There are a great many such articles in the market, many of which possess much merit, but the Coupler exhibited by Mr. McDougal differs from them all on account of the peculiarity of construction. The draw-head is, in outward appearance, similar to the old style "link and pin" Coupler, but inside the jaw or head there is an automatic attachment which closes over the link, which is a solid bar of the desired

length and barbed on each end, holding the link solid and fast and entirely preventing the detachment of the same from any cause whatever except the moving of the proper lever and the release of the jaws which hold the link. It is claimed that this Coupler will conform to the requirements of any Coupler in use on any railroad and may be used in connection with any in use. Bronze Medal

CRANE CO.—Wrought Iron Pipe and Tubing. A general display of these articles, embracing all the various assortments of pipe and tubing manufactured by this company.

For Best Display of the above, Grand Silver Medal

CALIFORNIA WIRE WORKS.—General display of Wire and Wire-goods manufactured by this Company. All the goods displayed by this firm are manufactured in this city at the factory on the northern limit of the town. There are none superior to the Cable manufactured by the California Wire Works, as is amply demonstrated by the fact that nearly all the Cable Roads of this city are supplied by them with all the cable used on such roads. Grand Silver Medal

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### CLASS No. 13.

#### **Cooking, Heating and Ventilating.**

W. C. NELSON.—Parlor Kitchen and Dish-washer, Camp Chest and Napkin Supporter. Captain Nelson had on exhibition a machine of his own contrivance and manufacture, which he denominated a "Parlor Kitchen." This machine was for the purpose of washing dishes and glasses without the necessity for soiling the hands or clothing. The particular one used in demonstrating to the public its usefulness, has been in constant use in the family of the Captain for more than five years and is still as good as the day it was completed. All the dishes used in the restaurant at the Pavilion were washed by this device and there was a saving in the help and wages of a dishwasher, as the simplicity of the machine rendered it needless to employ a person for that purpose. The Camp Chest is an article well worth the attention of all who have use for such a convenience, as it is at once compact, handy and complete. The Napkin Supporter is an ingenious device made from wire, fitting closely around the neck and having an attachment for the holding of the napkin by one corner against the bosom and entirely preventing the soiling of clothing. For a substitute for the well known "bib" of the baby, this simple apparatus recommends itself, as it is easily adjusted and as easily removed. Diploma

ABRAHAMSON VENTILATOR Co.—The Abrahamson system of ventilating buildings and rooms. This system has been fully described in former reports of Expositions and does not need repetition here.

Silver Medal

C. L. DINGLEY.—Flour Sifter and Bin. The Flour Bin displayed by Mr. Dingley is made of tin or sheet-iron, and is made to fasten to the wall at any desired height and is arranged with a bottom of funnel shape through which the flour or meal is run into a sifter below and eventually into a drawer or receptacle below the sifter. A simple turn of the handle on the outside is all that is required to sift the flour, which may then be withdrawn without a particle escaping or dropping upon the floor or the garments.

Diploma

PARAGON OIL Co.—Patent Oil Cans.

Diploma

O. K. HALL.—Hall's Baking Pan.

Diploma

RATHJEN BROS.—Coffee Pots and Coffee. The Perfection Coffee Pot is a specialty of this firm and is to be obtained from them only. The usefulness of the pot was demonstrated by a handsome young lady who dealt out coffee to those desiring to sample the delicious beverage.

Diploma

J. G. MCCRAITH & Co.—Fireplaces and Grates, Mantels, etc. There was a very creditable display of these articles in several different exhibits, but the display made by McCraith & Co. was declared the best and was awarded a

Silver Medal

EAGLE AUTOMATIC CAN Co.—Inside Soldered Cans.

Diploma

E. C. MOULTON.—Dishwasher.

Diploma.

W. R. ELLIS.—Rotary Chopping Bowl. This is a new departure from the old custom of cutting meat and vegetables and is a vast improvement. Heretofore, in order that the succulent hash might be prepared for the morning meal, it was necessary for the good housewife or servant girl to use the better part of a half hour in the operation of "chopping." Now, with this ingenious contrivance, the man of the house can arise, make the fire, set the table and prepare the coffee, and when he is ready for his meal a few simple turns of the "rotary chopper" is all that is necessary for the preparation of the dish. A meal for ten persons may be made ready in sixty seconds. For deviling ham it is invaluable.

Diploma

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### CLASS No. 14.

#### Hardware, Cutlery, Firearms, etc.

B. H. PATRICK & Co.—Exhibit of Rubber Stamps, Stencils, etc.

Diploma



CRANE COMPANY.—General display of Hardware. This Company exhibited a very fine assortment of Hardware, embracing a complete stock of general goods, and were awarded a Grand Silver Medal

R. LIDDLE.—General assortment of Firearms and Fishing Tackle. Some of the finest articles for the use of sportsmen were to be seen in the exhibit of Sporting Goods made by Mr. Liddle, and for the best assortment of Firearms he was awarded a Grand Bronze Medal

### CLASS No. 15.

#### Safes and Locks.

AUTOGRAPHIC REGISTER CO.—Exhibit of their Improved Autographic Registers. Diploma

SECURITY CASH REGISTER CO.—The Security and Autographic Registers made by this Company were shown and explained by a representative of the Company, and the worth of the machine to business men demonstrated. Grand Bronze Medal

PIERCE & CO.—Display of National Cash Registers and Computing Scales. The National Cash Register is such a familiar object to all who are connected with business of any description that a detailed enumeration of the various points pertaining thereto is unnecessary here.

The Computing Scales shown by Pierce & Co. are something novel and attractive and are filling a want which has been felt everywhere. Not only do these scales give the weight correctly, but a simple and easily operated contrivance attached thereto shows the amount of purchase in dollars and cents and the rate per pound.

For National Cash Registers.

Grand Bronze Medal

For Best Display of Scales.

Diploma

J. W. KLUMPKE.—Assortment of Locks

Diploma

### CLASS No. 16.

#### Brasswork, Gas and Lamp Fixtures and Plumbers' Goods.

CLEVELAND FAUCET CO.—General display of Brass and Copper articles for cooling and drawing beer and other liquors. Bronze Medal

CHAS. BROWN & SONS.—Pasteur Water Filters, Brass Goods and Fixtures and General Hardware.

SANDERS & Co.—Copper Still for Brandy, with all attachments. This piece of workmanship was a highly polished and finished specimen of the skill of our San Francisco coppersmiths and was pronounced by all who were familiar with such work as the finest ever exhibited in the Pavilion. Silver Medal

L. RADOVICH.—Automatic Sewer Gas Trap. Diploma

CHAS. J. REILLY.—Hyatt Water Filter. There was a large filter placed in connection with the Aquarium and used to clarify the water which supplied the tanks. Previous to the attaching of this filter there had been a great deal of difficulty experienced in clearing the water from impurities, but this filter seemed to answer the purpose admirably and the tanks were clear and transparent.

RAPID SAFETY FILTER Co.—Exhibit of the Rapid Safety Filter. Silver Medal

CRANE Co.—General display of Plumbers' Goods and Steam Fittings.  
For best display of Plumbers' Goods. Silver Medal  
For best assortment of Steam Fittings. Bronze Medal

A. S. GRAFF.—Patent Lamp Burners. Diploma

C. K. LAMB.—Water Filter.

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### CLASS No. 17.

#### **Grates and Mantels, Marbles, Artificial Stones, Earthenware, Glassware, Etc.**

SACRAMENTO COUNTY.—Sewer and Drain Pipe. The exhibit of this ware was made in the County display of Sacramento County, by Muddox & Co. of Sacramento. It was adjudged the best Drain Pipe and was awarded a Silver Medal

THOS. FURLONG.—Patent Laundry Trays of Artificial Stoneware. Bronze Medal

BARTOLI & Co.—Roman and Venetian Mosaics for flooring. Venetian enamels for walls, ceilings and hearths. This display was a very creditable one and was composed of some of the finest specimens of the above enumerated articles in this city. Silver Medal

INYO MARBLE Co.—General display of Marble and manufactured articles from marble, from Inyo County.

For best display of California Marble. Grand Silver Medal

S. & G. GUMP.—Display of Cut Glass, Porcelain and Fancyware. This collection, like the other displays of this firm, was unexcelled and was awarded a Silver Medal

G. W. PARKER.—Potteryware and the manufacture of Pottery in the Pavilion. Mr. Parker had on exhibition a large assortment of Pottery and wares of this description, and the potter's wheel in operation was the centre of an admiring crowd at all times when in motion. The wonderful rapidity with which articles were transformed from inert masses of clay to the beautiful and symmetrical articles of commerce called forth the admiration of all.

Silver Medal

MAGARY & MCCRAITH.—General display of Marble and Marble-work

AMADOR MARBLE CO.—General display of Marble. In this display was included a large number of specimens of Cut Stone for Architectural work and for this was awarded a

Silver Medal

Yours respectfully,

B. F. GARRATT,

J. F. MCCROSSON,

Committee.

## DIVISION III.

### Manufactured Products—Wood or Wood and Iron.

#### CLASS No. 18.

**Carpenters', Joiners', Carvers' and Stairbuilders' Work, Ornamental Glass Painting, Etc.**

G. F. ATKINSON.—Turned articles from California woods. Bronze Medal

W. H. CHAFFEE.—Specimens of Native California Woods, collected by himself and destined for the California Exhibit at the Columbian Exposition at Chicago. Silver Medal

HARRIMAN & PETERS.—“Diaphanium” or process of making permanent pictures on glass. This is a good substitute for stained glass and is lasting and durable. Bronze Medal

C. H. BURR.—Weatherstrips for doors and windows. Diploma

JOHN MALLON.—General display of Art, stained, embossed, cut, bent and ground glass for architectural purposes and decoration. As usual this display was very fine and attractive, new pieces being shown, and the art of transferring photographs to glass exhibited. One large window made by this process contained an excellent likeness of the President of the Mechanics' Institute, Hon. Irwin C. Stump. Gold Medal



WM. SCHROEDER.—Display of Ornamental, Cut and Embossed Glass and the manufacture of Stained Glass Windows. There were workmen employed in the preparation of artistic designs in stained glass and making of windows, and the skill displayed by them was admired and one of the attractions of the exposition.

Silver Medal

MORTEN LARSEN.—Exhibit of Wood-carving. A piece standing twelve inches high and fifteen inches wide, representing a piece of forest and a group of deer standing and lying in the shade of the branches. The foliage is worked out with exquisite detail and shows skill which is rare in this country. The piece of carving was made to the order of the King of Denmark, and on exhibition here for a short time before being forwarded to the latter country.

Bronze Medal

THOS HATCH.—A large and comprehensive collection of specimens of the native woods of California. This exhibit occupied the entire west wall of the Main Building extending from the south entrance to Machinery Hall to the stairway on the north side of the Pavilion, and also covered the back of the structure erected to display the allegorical scene of the "Rock of Ages." The collection was made by Mr. Hatch at his own expense, but under commission from the California State World's Fair Commissioners, who have forwarded the entire exhibit to the California Building at Chicago. Among the specimens shown were a large number of varieties of polished woods for which this State is noted. For this grand display the Jury awarded a

Gold Medal

S. & G. GUMP.—Collection of Picture Frames, Mouldings, Cabinet Work, Artistic furnishing and Decorations, Bric-a-brac, etc., etc. This was one of the finest collections ever seen in the Pavilion and covered a space forty feet long by twenty-five feet deep, and the walls of the booth over fifteen feet high. It was replenished and changed daily, and during the Exposition there was shown the largest assortment of these articles seen by a San Francisco audience for years, if ever before. The award for this display could but be the first and best, and consisted of several cash awards and a

Gold Medal

H. EULER & Co.—Wooden Mantels, California manufacture.

Silver Medal

## CLASS No. 19.

### Musical Instruments.

B. CURTAZ & SON.—General Display of Imported Pianos. A handsome room, fitted up in the characteristic style of the time of Louis XV,

but lighted brilliantly by modern electricity, contained a number of high grade and finely finished pianos of excellent tone. Eminent professors of Music performed each evening and several afternoons during the week, and any lover of piano music was cordially invited to test the tone and the touch of these elegant instruments. For the best exhibit of Imported Pianos this firm was awarded a Silver Medal

KOHLER & CHASE.—This firm had two displays. One of Pianos and Organs and one consisting entirely of Wind and Stringed Instruments. There was also, in the piano exhibit of Kohler & Chase, a new instrument called the "Harmonium" which can be operated by a child as well as the best professor of music, or even the great Paderewski himself. It is so simple that the lightest touch upon the pedals results in the giving forth of note and bars of music of any character desired by the performer. A scroll or sheet of perforated paper or card-board is inserted in the proper receptacle, and turning automatically, passes over the pipes or reeds allowing the wind generated by the bellows operated by the pedals, to pass through them and make the sound or note.

There were two awards made to this firm, as follows:

For best display of Musical Instruments and Merchandise.

Grand Bronze Medal

For Best Brass and Wind Instruments.

Silver Medal

CRESS UNGER.—Stringed Instruments and Banjos. His banjos are manufactured here and are of superior tone and finish.

Silver Medal

HERMAN MULLER.—Stringed Instruments, violins, mandolins, guitars, etc. All of California manufacture.

For best Zither, his own make.

Silver Medal

H. SCHOMBERG & Co., LOS GATOS.—Piano of his own make. This exhibit occupied a prominent place in the Art Gallery, and was much admired for its exquisite workmanship and finish.

Grand Bronze Medal

GEO. F. WELLS.—Display of Pianos and Organs and "The Vocalion." This display was made in the West gallery and was enclosed in a large semi-circular shell on sounding-board and handsomely decorated and carpeted. The "Vocalion" is a large species of Organ with metallic reeds instead of pipes, having triple bank of keys and foot pedals. This one was run by water-power and gave a powerful yet soft and very sweet tone. The instrument was played by several noted organists of this city and elsewhere, and pronounced a very fine one. There was awarded for this a

Bronze Medal

## CLASS No. 20.

**Vehicles and their Attachments, Children's Carriages, etc.**

OVERMAN WHEEL CO.—Bicycles, Tricycles and attachments, and Pneumatic Cushions and tires.

For the Best Pneumatic Tire.

Bronze Medal

T. H. B. VARNEY.—Exhibit of Bicycles and Tricycles, Pneumatic Sulky and Pneumatic Cushions.

For the best quality of Bicycles and Tricycles

Silver Medal

O'BRIEN & SONS.—General display of Carriages, Buggies, Wagon and Carriage material and fixtures and Carriage blacksmithing. The center piece, and the grand attraction in this display was the elegant and costly delivery-wagon made by the firm for Colonel Theo. C. Marceau. This wagon is an entire novelty in the way of vehicles, its body is painted a brilliant cream color with gilt trimmings, the wheels dark blue with gold and bronze striping and in shape the vehicle is not unlike the old style stage-coach, but entirely enclosed and covered. A canopied seat for the driver in front and a foot-board for the footman in the rear, and the wagon is drawn by three horses abreast after the style of the Russian teams. For the excellent workmanship and the novelty of construction of this vehicle there was awarded a

Gold Medal

The firm was also awarded other premiums as follows:

For Best Hack.

Silver Medal

Best Coupe.

Silver Medal

Best Top Buggy.

Silver Medal

Best Open Buggy.

Silver Medal

Best Ladies' Phaeton.

Silver Medal

Best Open Rockaway.

Bronze Medal

Best Buggy Woodwork.

Diploma

Best display of Carriage Blacksmithing.

Diploma

Best Truck and Wagon wheels, not on vehicle.

Diploma

PACIFIC COAST MANUFACTURING CO.—Exhibit of Village and Road Carts and Appurtenances.

For Best Village Cart.

Bronze Medal

JOHN HAMMOND.—Double-end Street Car for cable or electric roads. This car was designed for the California street Cable Co., and is of the now familiar "double-end and grip" pattern, but may be used for either electric or cable power. It is finished in light California woods and is easy riding, comfortable, roomy, light and well adapted to the uses of such roads as this city boasts of. This



being the home of the Cable road, and there being no other city to equal ours for this manner of transportation, this car attracted the attention of thousands of visitors from the East and elsewhere, wherever the Cable system is being introduced. Silver Medal

A. S. MERSEREAU.—Patent shifting buggy-top. This invention is simple and easily operated and the buggy may be converted from a top to an open conveyance in less than half a minute without loosening any bolts, nuts, screws or other fastenings. The top lifts off easily and instantly. The contrivance was in operation and was explained by an attendant at all times during the exhibition. Silver Medal

J. A. BILZ.—Pneumatic sulky, Combination and Speed-carts. These carts are manufactured by Mr. Bilz at Pleasanton, Cal., and were awarded a Bronze Medal

## CLASS No. 21.

### Furniture, Upholstery, etc.

INDIANAPOLIS FURNITURE CO.—Four rooms, tastefully and handsomely decorated and furnished, and covering a space of 40 feet square were fitted up by this firm and consisted of a Dining-room, Drawing-room, Bed-room and Library. The furniture was rich and substantial and the hangings and decorations all appropriate and in good taste, in fact it was the finest exhibit of the kind seen for some time and was awarded a Gold Medal.

BURR FOLDING BED CO.—Folding Beds, Marks' Reclining Chair, and Table-washstands.

For Best Folding Bed.

Bronze Medal

F. S. WORDEN.—Reclining Rocking Chair.

Bronze Medal

M. C. TAYLOR.—Bed for use in moving invalids. This structure was a novelty and was substantially built. When not in use it could not be distinguished from the ordinary bedstead, but at the back of the headboard there appeared a small crank or lever which, upon being turned, releases the upper part of the carved work at the head and disclosed a strong crane or derrick-like beam that swung around and out to the centre of the bed. The mattress was constructed with a strong sling or support which was coupled to this crane by stout cords and carefully lifted enough to allow the renewal of the bedding when the invalid could be again lowered to the bed and the apparatus closed to its normal appearance.

Silver Medal

L. H. CONDON & Co.—Desk with Copyholder, for typewriters.

Bronze Medal

JOHN MCCARTHY.—Furniture made from the horns of various animals. The making of this furniture shows great skill and workmanship on the part of the manufacturer and the upholstering was handsome and attractive. Mr. McCarthy has taken Grand Medals at the Paris Expositions and awards at the Expositions in London, and was awarded a

Silver Medal

PACIFIC SPRING & MATRASS Co.—Extension Lounges, Spring Mattresses, Metal Spring Bed Bottoms, Hair Mattresses, etc.

For best Extension Lounge and Sofa-bed

Silver Medal

Best Spring-matress

Bronze Medal

Best Metal Bed-bottom

Diploma

Best Hair Matress

Diploma

E. H. MARWEDEL.—Display of Window Shades and Fixtures, Curtains, Cornices and Trimmings

Silver Medal

W. N. SHERMAN.—Canopy-frame for Beds and Lounges. A contrivance to protect the person from the ravages of the furious mosquito and at the same time gently fan the sleeper. The fan is to be run by a small clockwork or electric attachment.

Diploma

L. RADOVICH.—Patent File-boxes

Diploma

H. EULER & Co.—Folding Bed of California make. This bed was awarded a

Bronze Medal

## CLASS No. 22.

### Billiard Tables.

AUG. JUNGBLUT.—General display of Billiard Tables and Fixtures, Bar Furniture, Sideboards, Billiard-table Cushions, Balls, Cues and Racks.

For best display of Billiard Tables and apparatus

Grand Silver medal

SCOTT & WRIGHT.—Billiard Tables for parlor use, and patent detachable cushion. The cushion is a simple rubber band stretched around the four sides of the table, attached to metal springs. The cushion may be detached and renewed whenever required, and acts as promptly and satisfactorily as the common rubber, non-detachable cushion. Games were played by experts each evening and the worth of the invention demonstrated to all who witnessed its use.

Bronze Medal

CLASS No. 23.

**Woodenware, Brushes, Wire Goods, Willowware, Etc.**

BUCHANAN BROS.—General display of Brushes and Feather Dusters, and the manufacture of Brushes of all descriptions. This display was, as usual, of the best and greatest variety of articles of this particular class. The manufacture of brushes at Mechanics' Institute Expositions has been one of the features of all displays made by Buchanan Bros. for a number of years.

Best display of Brushes made in Pavilion	Silver Medal
Best display Feather Dusters and Plumes	Bronze Medal

INDUSTRIAL HOME FOR THE ADULT BLIND.—Collection of Basket-work and Brooms, Mats, Fancy Work and Willow Goods manufactured at the Home for the Adult Blind, Oakland, Cal. The Willow work in this display was made by a deaf, dumb and blind man, who combines the three missing senses with the sense of touch and is truly remarkable for his efficiency in the manufacture of articles of this description. All the articles exhibited were nicely finished and showed skill and proficiency upon the part of the makers, and careful training by the people in charge of the Home. Several awards were made in this exhibit as follows:

For Best California-made Brooms	Bronze Medal
Best assortment of Baskets	Bronze Medal
Best Fancy Mat, (Miss D. Mullaney)	Diploma
Best Knitted Curtains, (Miss Helen Schau)	Diploma

DAVID WOERNER.—Display of Cooperage	Grand Silver Medal
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GUERNEY REFRIGERATOR CO.—Refrigerators and Cold Storage Apparatus:

For best Family Refrigerator	Bronze Medal
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S. SCHAFFER.—Cold storage and ventilated cooling room process.

For best Cold Storage Apparatus	Grand Silver Medal
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Respectfully submitted,

H. E. HOLMES,  
A. C. SCHINDLER.



## REPORT OF JURY, DIVISION IV.—Classes 24, 25, 26 and 27.

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### CLASS No. 24.

#### **Leather, Rubber Goods, Boots and Shoes, Etc.**

Your committee appointed to examine the various exhibits coming under the head of Division IV, Classes 24, 25, 26 and 27, have carefully performed that duty, and now take pleasure in reporting to you the following:

H. N. COOK BELTING CO.—Exhibit of Tanned Leather, Sole Leather, Walrus Leather, Leather Belting, Rawhide Goods and Agricultural Drapers. The exhibit of this form was contained in an artistically built hut, built of the bark used in the tanning of the leather sold by this company. It was an artistic and appropriate surrounding for the display and called forth many favorable comments from the visitors. The Walrus leather was finely tanned and all the goods exhibited were of good quality and finish.

For the fine and artistic display of Leather and Belting

Grand Silver Medal

LEIBOLD HARNESS CO.—Harness and Horse Clothing. This exhibit was made up of a large and varying assortment of harness from the light and delicate appurtenances for a pony-cart or phaeton to the heavy and particularly strong harness necessary for trucks and large teams. It also included Robes and horse clothing of various descriptions

Grand Silver Medal

HUMBOLDT COUNTY.—Pacific Coast Tanned Leather. This leather was undoubtedly the best tanned leather that was on exhibition at this exposition, and showed that Humboldt County is not behind her competitors in the production and tanning of leather for merchantable purposes

Grand Silver Medal

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### CLASS No. 25.

#### **Hemp, Cordage, Paper, Furs, Silk, Hair, Etc.**

DUKE & BERGER.—Roll Paper, Wrapping Paper and Paper Cutters.

Best Roll Paper

Silver Medal

PARAFFINE PAINT CO.—Paints, Roofing Paper and Felt and Pile Covering.

Best Roofing Paper and Felts

Silver Medal

S. F. CHRONICLE.—Stereotype Plates and Printing Paper. As usual this paper had a very gratifying and artistic display of the various processes that the type and plates are put through in the making up of the papers that are daily circulated and read by the thousands of readers. They also had a display of the many premiums which are given to subscribers.

Best Printing Paper

Diploma

SONOMA COUNTY.—MRS. FRANCES PURRINGTON.—Silk Cocoons. The above-named lady has, by her energy and enthusiasm, enabled the public to judge for itself what Sonoma County can do in the matter of producing Silk. The cocoons were artistically arranged in the representation of the American flag, and at a distance they were, to all appearances, not separate, but a complete and handsome flag

Grand Bronze Medal

HUMBOLDT COUNTY.—This display also contained a very fine assortment of cocoons which were procured from Humboldt County. and proved that the redwoods and pines were not all that this County can produce.

ALAMEDA COUNTY Board of Lady Managers.—Display of Raw Silk and Cocoons.

MRS. WM. KIRK, Alameda County.—Display of Raw Silk, Cocoons, Worms and Eggs.

Silver Medal

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## CLASS No. 26.

### Woolen Goods, Etc.

MRS. FRANCES PURRINGTON.—Fine display of Woolen Blankets from wool raised, cleaned and woven in Sonoma County. Gold Medal

INDIANAPOLIS FURNITURE CO.—Carpets. (See Class 21.)

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## CLASS No. 27.

### Gentlemen's Furnishing Goods, Etc.

C. P. HEININGER.—Display of Walking Canes

Silver Medal

C. LIMOUSIN.—Gentlemen's Gloves of all kinds.

For finest display of Gloves

Grand Silver Medal

S. SONENBERG & Co.—Display of Gentlemen's Gloves. This was also a Display worthy of note.

THOS. E. KENT.—Gentlemen's Shirts, embracing all descriptions of this very necessary article of a gentleman's toilet. To any who may try these shirts we are certain that the advice to "keep it on" would be superfluous, for they are calculated to inspire their wearers with confidence, and are sure to be kept on if once tried.

Silver Medal

Respectfully yours,

D. E. WALKER,

JOHN W. CARMANY.

Committee.

## CLASS No. 28.

### **Ladies' Furnishing Goods, Dresses, Cloaks, Millinery, Etc.**

We, the undersigned, Jurors on Class 28, after careful examination of all the articles in the above class, would respectfully tender the following report :

GEO. F. CLUFF.—Hose and Skirt Supporters. This useful and ingenious little article is intended to do away with the use of buttons, pins, and other fastenings for garments which are calculated to tear or wear the fabric. They are supplied with two grips, so that it is unnecessary to fasten them with thread or other fastenings, as they are their own supporters, and will not tear the clothing to which they may be applied.

Bronze Medal

MRS. G. W. STEVENS.—Adjustable Shoulder Brace

Diploma

METZ & Co.—Fine display of Artificial Flowers. The flowers displayed by this firm are all made in this city and are surpassed by none in the market. They are realistic and handsome, and are easily mistaken for real, even when examined closely. The arrangement of the exhibit was artistic and very handsome and attracted a great deal of attention.

Grand Bronze Medal

SEILER CORSET CO.—Corsets manufactured in the Pavilion. There were several people employed day and evening in this exhibit, in the manufacture of these corsets, from beginning to end.

Silver Medal



F. & G. THOMAS.—Dyeing and Cleaning Process. The arrangement of the goods on exhibition in this booth was handsome and attractive and elicited commendation and expressions of admiration from the beholders. For the process and display they were awarded a  
Silver Medal

A. H. LYNN.—Dress-cutting system. This is an ingenious device for the fitting and cutting of dresses, the measure being taken by the machine and the cutting of the pattern done by the same article.  
Diploma

MRS. E. D. LAWRENCE—Measure-fitting method for women's dresses.  
Diploma

WM. HILTON.—Silk-weaving and manufacture of doileys, etc. This gentleman erected and maintained, during the entire Fair, two large looms for the weaving of various articles of silk, which attracted a large number of sight-seers around the display. The manner of weaving the various figures was by the perforated card process, and the work done was extremely fine and well finished.  
For Silk woven in the Pavilion. Grand Silver Medal

M. B. MIHRAN.—Oriental Rugs, Draperies and Curiosities. The collection of Oriental articles made by Mr. Mihran was the finest seen in this city for a number of years. The entire Pavilion, wherever there was a bare spot, was draped and decorated by him with the numerous antique and handsome rugs and portieres. The entrances to the Art Gallery were rendered artistic in the extreme by draping and otherwise ornamenting them with curtains and lambrequins of Oriental material, and to Mr. Mihran the Institute certainly owes a debt of gratitude for making a good feature of many places which would otherwise have been bare and empty. Mr. Mihran was awarded a  
Silver Medal

ALAMEDA COUNTY, Brown's Art Parlors.—Display of Needle-work, Embroidery and Women's Work. This exhibit is worthy of special mention, as it contained a large and varied assortment of the above named work and comprised Silk Embroidery, Linen Embroidery. Lace Work, and also a collection of sea mosses contributed by ladies of Alameda county.  
Silver Medal

SONOMA COUNTY SCHOOLS.—Display of general school-work comprising drawing, sketching, tracing, penmanship, composition, etc. This work was excellent, and deserving of much credit, and shows that the pupils of the schools of that County are not at all behind in any of the many branches of education.  
Diploma

MRS. N. SCHELL.—Natalie Individual Forms. These forms are intended for the fitting of garments to the individual form of the wearer and are adjustable to any figure, thus insuring a perfect fitting gown or dress. Diploma.

Respectfully submitted,

MISS ANNA HAHNE,  
MRS. L. M. WEBSTER.  
MRS. S. P. SMILEY,

Committee.

## DIVISION V.

### Electrical, Scientific and Decorative Arts.

#### CLASS No. 29.

##### Electricity and Electrical Appliances.

CALIFORNIA ELECTRICAL WORKS.—General display of Electrical goods and appliances. This display was complete and interesting and embraced a large number of modern electrical appliances for use in the arts, medical practice and scientific work. Silver Medal

W. KLUMPKE.—Electrical goods, bells and annunciators and galvanic battery.

WASHBURN & MOEN MFG. CO.—Submarine Cable, Aerial Wires and insulating material; Salamander fire and water proof electrical wire. This firm was awarded three medals as follows:

For best Submarine Cable.	Silver Medal
Best Aerial Wires.	Bronze Medal
Best Floating and Insulating material.	Bronze Medal

CHAS. M. ALLEN.—Model of Electrical Brake for Cars, in operation. The display consisted of a miniature car with electric motor and brake. The current was supplied from the wires of the incandescent circuit in the building, and worked both the motor and the brake. The car was "cut loose" and run down a steep incline track, and after gaining considerable momentum the brake was applied by a simple turn of a switch and stopped the car in an incredibly short time and within a car-length. The operation of the model demonstrated that the full-sized brake would be a first class safeguard against accident from slipping of cars down-hill, and must recommend itself to the attention of those interested in passenger traffic and electric railways. Diploma

HERBERT BARRY.—Electric motor designed for the purpose of driving Halladie's patent tramway.

LAUMEISTER ELECTRICAL WORKS.—Display of Dynamos in operation. The dynamos in this exhibit were in operation, furnishing light and power to a number of pieces of machinery and electric lights.

For best Dynamo of Pacific coast manufacture.

Diploma

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### CLASS No. 30.

#### Scientific Apparatus, Etc.

CALIFORNIA OPTICAL CO.—Display of Optical goods, scientific machinery and the grinding and setting of lenses. Several workmen were employed all the time during the progress of the Exposition in making and setting lenses of all descriptions. The testing of the eye by the latest scientific methods was practically illustrated and the exhibit was admirable in every respect as an illustration of one of the prominent industries of this city. Silver Medal

PIERCE & CO.—Automatic Computing Scales. These scales are calculated to benefit every merchant who has constant use for such an article and especially so where time is an object. There are two bars, instead of one, as on the ordinary scales; one of the bars gives the weight as usual, but to the second bar is due the great value of the article. The first bar being set to show the amount of weight desired, the second is fixed by a sliding scale to show the amount in coin, of the purchase and the seller and buyer are both able to calculate exactly what the amount figures up without the necessity of using paper or pencil, or mental calculation.

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### CLASS No. 31.

#### Surgical and Dental Instruments and Appliances.

FRANK F. EGGERS.—Exhibit of Electrical Dental Motors for use in Dental parlors. This is an improvement on the old foot-power machines commonly used and recommends itself to all Dentists and others in need of such a motor. Diploma



## CLASS No. 32.

**Gold, Silver-plated Ware, Watches, Clocks, Jewelry and Bronzes.**

MRS. CATHERINE MCKENZIE.—Antique Bronze. This article was taken by the French, at the loot of the palace of the Emperor of China, in the year 1700, and is said to be many hundreds of years old. The top represents Buddha sitting upon the Deer of Swiftmess. The deer stands upon the universe, represented by Earth, Air and Water. The whole piece is mounted upon an elephant, representing strength, and the supports are elephant's legs and feet. The piece is exquisitely carved and worked and represents an art which is not equaled at this day. The Chinese are reputed to be the masters of this particular art, and the bronze above named surely gives credence to the reputation they have sustained for ages.

Diploma

THOS. FURLONG.—Show Cases.

Bronze Medal

C. P. HEININGER.—Shell Jewelry and Walking Canes.

Silver Medal

S. & G. GUMP.—Display of Ornamental Bronzes. The collection shown in the display of S. & G. Gump was the handsomest seen in this city for many years and comprised groupings and single figures representing the highest specimen of art. For their general collection of Art Work.

Gold Medal

SHIRPSER JEWELRY CO.—Souvenir Spoons and etching of same in Pavilion. The spoons shown in this exhibit were souvenirs of the City and Pacific coast and embraced many beautiful designs.

Grand Silver Medal

WM. SCHRODER.—Artistic Show Case.

Bronze Medal

## CLASS No. 33.

**Printing, Etc.**

N. W. FROST.—Collection of Globes, Maps, etc.

H. S. CROCKER CO.—Specimens of Lithographic, Chromo-lithographic and Fancy Printing, Book-binding, Stationery, etc. The display embraced a large number of specimens of artistic printing and

engraving, and included a graduated illustration of the preparation and finishing of chromo-lithographs.

For best specimen of Lithographic Printing.	Bronze Medal
Best specimen of Chromo-Lithographic Printing.	Silver Medal
Best general display of Stationery.	Diploma
Best specimen fine Book-binding.	Silver Medal
Best Blank-book Ruling and Binding.	Bronze Medal
Best printing from woodcuts.	Diploma
Best Lithographic Design.	Silver Medal

THE CALIFORNIAN.—Meritorious Display of Magazine. Diploma

Respectfully,

W. W. HANSCOM,

GEO. P. LOW,

M. SHANNON,

Committee.

### CLASS No. 34.

#### **Hairwork, Needlework, Embroidery, Shellwork, Patterns, Etc.**

The committee on this class was composed of ladies, and make the following report. After duly examining the various articles exhibited under this class we make the following recommendation:

MRS. S. A. RANEY.—Diamond-shaped Bed-spread.	Diploma
MRS. J. E. KEYT.—Crazy Quilt.	Diploma
MISS MARIAN CAMPBELL.—Crazy Quilt and Shams.	Diploma
MRS. A. MANGENBERG.—Worsted picture "Richard III pardoning the Magistrate of Kililea."	Diploma
MRS. KATHERINE RUSSELL.—Spanish Work.	Diploma
MISS AMELIA OCHS.—Lustre Painting.	Diploma
MISS L. J. REEVES.—Painted Table Cover.	Diploma
MISS A. METZGER.—Crazywork Table Cover.	Diploma
MISS LIZZIE THORPE.—Etched Autographic Quilt.	Diploma
MRS. FRANCES PURRINGTON.—Wreath made from seeds representing Flowers.	Diploma
MRS. F. H. FISHER.—Preserved Natural Flowers and Sea Mosses.	Bronze Medal
GRAHAM DECORATIVE ART CO.—Ancient Spinning- Wheel.	Diploma

WILHELMINA SACHAW.—Spanish Tidy Work.	Diploma
MISS KATE HALL.—Crazy Quilt.	Diploma
JOSIAH KEEP.—Herbarium Specimens.	Diploma
MISS ANITA CULLIGAN.—Embroidered Peacock.	Diploma
W. K. SPROUL.—Fish Lines made by hand from Horsehair.	Diploma
MRS. A. MURRAY.—Crocheted Quilt.	Diploma
MRS. J. PETTEE.—Fishscale Cross and Flowers.	Diploma
MRS. N. CHIEGRAN.—Featherwork and Pebble Bird.	Diploma
F. PEANO.—Aluminum Bonnet and Pigeon.	Diploma
MRS. E. M. LEWIS.—Best Shellwork.	Diploma
MISS HELEN SCHAU.—Best Knitted Curtains.	Diploma
MRS. R. DUCKWORTH.—Best Rickrack Bed-spread	Diploma
MRS. FILLIEBROWNE.—Drawnet Quilt and Shams	Diploma
MISS MARWEDEL.—Kindergarten work	Diploma
MISS D. MULLANEY.—Fancy Mat.	Diploma
ANDERSON SPRINGS.—Best Preserved Autumn Leaves.	Diploma
S. F. WOMEN'S AUXILIARY CORPS.—Best exhibit of Industry, Art, Literature and Music.	Diploma

Respectfully presented,

MRS. L. M. WEBSTER,  
MISS ANNA HAHNE,  
Committee.

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## DIVISION VI.

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*To the President and Management of the Twenty-seventh Exposition :*

GENTLEMEN: Your committee, appointed as jurors to determine the Awards pertaining to the Fine Arts Division, beg leave to report that they have carefully considered the relative merits of the works of Art placed in competition, and respectfully submit the following list, with names of articles, as the result of their deliberations:

MRS. MARY CURTIS RICHARDSON.—Best figure painting in oil.  
Silver Medal and \$35.00



- OSCAR KUNATH.—Second best figure painting in oil.  
Grand Bronze Medal and \$20.00
- WM. KEITH.—Best landscape painting in oil. Silver Medal and \$25.00
- THOS. HILL.—Second best landscape in oil.  
Grand Bronze Medal and \$15.00
- R. D. YELLAND.—Third best landscape in oil. Bronze Medal  
Best marine painting in oil. Silver Medal and \$20.00
- NORTON BUSH—Second best marine painting in oil.  
Grand Bronze Medal and \$10.00
- E. C. PEIXOTTO—Best Genre painting in oil. Silver Medal and \$25.00
- A. JOULLIN—Oil painting, "Offerings to the Gods." Silver Medal
- MISS M. M. FROELICH.—Second best Genre painting in oil.  
Grand Bronze Medal and \$15.00
- JULIUS LUDOVICI.—Best portrait in oil. Silver Medal and \$20.00
- MISS ALICE B. CHITTENDEN.—Best flower painting in oil.  
Silver Medal and \$20.00
- MISS M. E. NICOLL.—Second best Still Life painting in oil.  
Grand Bronze Medal and \$10.00
- MRS. GRACE HUDSON.—Oil painting, "Little Mendocino."  
Silver Medal
- OSCAR KUNATH.—Best figure painting. Silver Medal and \$35.00
- K. TAKAHASHI.—Best landscape painting—water colors.  
Silver Medal and \$25.00
- L. P. LATTIMER—Second best landscape painting in water colors.  
Grand Bronze Medal and \$15.00
- MRS. H. F. BEECHER.—Third best landscape painting in water colors.  
Bronze Medal
- K. TAKAHASHI.—Best marine painting. Silver Medal and \$20.00
- MRS. C. B. PAINE—Second best marine painting—water colors.  
Grand Bronze Medal and \$10.00
- MRS. H. F. BEECHER.—Third best marine painting—water colors.  
Bronze Medal
- MISS LOU WALL.—Best portrait—water colors.  
Silver Medal and \$20.00
- MRS. DORA NORTON WILLIAMS.—Best flower painting—water colors.  
Silver Medal and \$20.00

LILLIAN A. HOWARD.—Second best flower painting—water colors.

Grand Bronze Medal and \$10.00

MISS L. J. REEVES.—Flower Painting on Native woods.

Silver Medal

The full list of exhibits in the Art Department will be found in the Catalogue published elsewhere in this report.

### CLASS NO. 36.

#### Ceramic Arts.

ALAMEDA COUNTY BOARD OF LADY MANAGERS.—Painting on Porcelain, done by Mrs. Batteau and Miss Bell.

MISS KATE E. COLE.—Ivory Panel-painting, Hand-painted Books, Card and Wood-panel Painting.

MRS. FRANCES PURRINGTON.—Paintings on Wood.

G. W. PARKER.—Paintings on Pottery.

C. E. BASBEE.—Painting on Porcelain.

Silver Medal and \$10.00

MISS CARRIE HALL.—Second best Painting on Porcelain.

Grand Bronze Medal and \$5.00

HANS DODEL.—Permanent Photos on China.

Silver Medal

MRS. F. A. FISH.—Best general display of Ceramic Art.

Silver Medal

BUSH & WOCKER.—Tapestry paintings, Frescoes and Interior Decorations.

Silver Medal

### CLASS NO. 37.

#### Sculpture, Statuary and Carving.

ALAMEDA COUNTY BOARD OF LADY MANAGERS.—Mosaic by Mrs E. M. Long.

MRS. CATHARINE MCKENZIE.—Bas-relief in Bronze.

F. M. BOUGHTON.—Mosaic Cabinet made by himself from the vertebræ of the whale. This Cabinet stood about seven feet high and represented three years of untiring labor on the part of Mr. Boughton, who is a young man, and the entire work was done without the aid or assistance of any one else. There were four sides to the

Cabinet, all fully finished and marvelously placed together in such a manner that the joints were entirely invisible. The center revolved upon a pivot and held three strong shelves of an octagonal shape. The Cabinet was ornamented with Mosaic pictures of the prominent buildings at Monterey, all of which were set in with vari-colored pieces of bone. No coloring was used in the manufacture of this piece of work, all of the different colors being the various parts of the whale-bone.

For the best Mosaic of original design.

Silver Medal

S. & G. GUMP.—Figures and groups in Marble. These were in keeping with the balance of the beautiful pieces displayed in this exhibit and were awarded as follows:

Best single figure in Marble.

Silver Medal and \$50.00

Best Group in Marble.

Silver Medal and \$50.00

Second best Group in Marble.

Grand Bronze Medal and \$25.00

Beside the above the Jury found that this firm was entitled to awards for the following:

Best single figure of Group in Bronze.

Silver Medal and \$50.00

Second best.

Grand Bronze Medal and \$25.00

T. B. JACKSON.—Second best figure in Marble.

Grand Bronze Medal and \$25.00

RUPERT SCHMID.—Plaster statue (colossal) representing "California."

This figure was of colossal size and remarkable for its attention to detail and the beauty of figure and features. It represented "California" and is intended for the casting of a statue in bronze for exhibit at the Columbian Exposition. It was executed by Mr. Schmid at his studio in this city.

California is represented as the "Queen of the Pacific," a majestic figure, holding in her hand an olive-branch, indicative of Peace (Pacific); in her left the shield, with coat of arms of the States and the American flag garlanded with flowers. The gown is embroidered with stars and Pacific Coast sea plants; the waist is covered with calla lilies; and the belt decorated with sea shells and a clasp representing the head of a sea lion. Her head is surmounted with a coronet and her hair wreathed with California poppies and corn. At the feet lies a profusion of the products of the State, such as wheat, oats, fruits, etc. A huge grizzly bear completes the arrangement. For this work of Art there was awarded a

Silver Medal and \$30.00

F. PEANO.—Bronze casting by the "lost wax process," Head of Christ.

Silver Medal.



- MRS. F. ADAMS.—Best exhibit of modern carvings. Silver Medal
- S. SONNENFELD.—Best Lapidary work done in Pavilion. Silver Medal
- F. MOORECROFT.—Best stone seal engraving of crests, coats-of-arms, monograms, etc. Silver Medal

### CLASS No. 38.

#### Engravings, Etchings, Prints, Penmanship, Etc.

- MRS. GEORGIANA ROULO.—Birch Bark Etchings.
- L. RADOVICH.—Pen drawing—mechanical.
- H. C. FORD.—Largest and best collection of historical California Etchings. Grand Silver Medal
- S. LANDO.—Best charcoal drawing. Silver Medal
- JULIUS LUDOVICI.—Best exhibit of Pastel Drawings. Silver Medal and \$20.00
- OSCAR KUNATH.—Second best exhibit of Pastel Drawings. Grand Bronze Medal and \$10.00
- E. C. PEIXOTTO.—Best original Pen Drawing. Silver Medal
- MRS. N. S. GOODLOE.—Best general display of Drawings. Silver Medal
- J. E. WOLFF.—Best original Mechanical Drawing. Diploma
- GIUGIURIO HAMADA.—Best original Architectural Drawing. Diploma
- VAN VLECK, O'HARA & LIVERMORE.—Display of Fire Etchings on wood and leather and wood carvings. Silver Medal
- F. L. M. PAPE.—Pen Drawings. Silver Medal

### CLASS No. 39.

#### Photography.

- GEO. STECKEL.—Collection of Photographic work. The collection was replete with the most artistic pieces of workmanship in this line which it has been the good fortune of the visitors at the Fair to behold for some years. The highly artistic grouping and poses of the subjects were admired by all who beheld them and Mr. Steckel was awarded
- For the best and most artistic general collection of Photographs. Grand Silver Medal

- Best and most artistic specimen of miscellaneous Photography. Silver Medal
- Best and most artistic collection illustrating various studies and styles of Photographic printing, processes, etc. Silver Medal
- Best and most artistic group-photograph. Silver Medal
- THEO. MARCEAU.—Collection of Photographic work, photographs colored in water colors and oil. Silver Medal
- Best and most artistic photos finished in crayon. Silver Medal
- R. R. BULMORE.—Best and most artistic specimen of Landscape Photography by individual photographer (amateur) Silver Medal
- CANADIAN PACIFIC RAILWAY CO.—Meritorious display of photographs of scenery upon the line of their road. Diploma
- J. W. STATELER.—Best specimen of Interior and Architectural Photography. Silver Medal

Respectfully submitted,

E. MORGAN,  
G. W. WALTERS,  
JOS. BRITTON,  
Committee.

## DIVISIONS VII AND VIII.

### Chemical and Food Products--Natural Products.

Classes 40, 41, 42, 43, 44, 45 and 46.

#### CLASS No. 40.

##### Chemical and Pharmaceutical Products.

YUCCA ROOT SOAP CO.—Display of all kinds of Soaps manufactured in this city. The soap manufactured by this company is made from the root of the well-known Yucca Palm which grows in abundance on the deserts of Mojave and Colorado and the great deserts of the Pacific Slope. The root, if immersed in water and briskly rubbed, will make a lather without the use of lye or chemicals, and the soap made from it is pure and healthful and is an excellent article. Silver Medal

COBURN, TEVIS & Co.—Display of Olive-oil, Cider, Sapolio and Axle-grease.

For best Axle-grease. C & S. Silver Medal

CHRISTY & WISE.—Display of Hayward's Sheep Dip. Diploma

F. H. AMES & Co.—Display of Candles and Starch.

BATES & SUYDAM.—Display of Knox's Sparkling Gelatine. This article was displayed in bulk, prepared for cooking, and after preparation, and was toothsome and palatable and showed that the name given to it, "Sparkling," was well earned. Diploma

BOERICKE & RUNYON.—Display of Koumiss. Diploma

E. W. JOY.—Display of "Yosemite Cologne." Silver Medal

SAN LUIS OBISPO Co.—Display of Mineral Water.

CLEVELAND BAKING POWDER Co.—Best Baking Powder. Bronze Medal

PARAFFINE PAINT Co.—Display of Paraffine Paint. Diploma

CALLUSTRO Co.—Display of the various products from Callustro. Diploma

SPARROWE BROS.—Display of Confectionery Silver Medal

NEBRASKA CITY STARCH Co.—For best Starch. Silver Medal

## CLASS No. 41.

### Groceries, Meats, Flour, Etc.

MANHATTAN FOOD Co.—Display of Stock and Poultry Food, "Red Ball Brand." Diploma

NEW LIVERPOOL SALT Co.—Display of all kinds of Salt. This salt is gathered from the famous Salton Sea in the southern part of the State. This place is well known to the world as the scene of the great immersion of the country some years ago. Among the numerous curiosities exhibited was a portion of a wheel-barrow, which had lain in the water until it subsided and when recovered was entirely covered with salt crystals, making a remarkably beautiful effect. This relic was incased in a cabinet made from the burl of a Redwood tree, which the Indians claim has lain under the earth for hundreds of years. The grain and curl of this piece of wood is beautiful in the extreme. The salt is excellent in quality. Silver Medal



ALAMEDA COUNTY.—California Beet Sugar. There was a complete display of the various stages of the manufacture of Sugar from the Beet, showing the process from the vegetable to the refined and marketable article. Gold Medal

ST. CHARLES EVAPORATED CREAM CO.—Exhibit of their Evaporated Cream.

CUDAHY PACKING CO.—Best assortment of Canned and Preserved Meats, "Rex Brand." Bronze Medal  
Superior Extract of Beef Diploma

PACIFIC COAST SYRUP CO.—Display of "Toboggan Brand" Maple Syrup and California refined Syrups. Silver Medal

HELVETIA MILK CO.—(With Ames & Co.) Highland Evaporated Cream.

F. H. AMES & CO.—Oatmeal and Salmon in cans.  
For best Salmon in cans, "Pride of Columbia." Diploma

SONOMA COUNTY.—Display of Hams, Bacon and Lard.

WILLIAMS, BROWN & CO.—Evaporated Cream.

SOUTH SAN FRANCISCO PACKING & PROVISION CO.—Best Pacific Coast Smoked Hams and Bacon, "Peerless Brand." Diploma

WILLIAMS, BROWN & CO.—Display of Royal Dutch Cocoa. Old Homestead Maple Syrup, and Cocoa Coffee. This display took up four sides of a large square, and the various articles were dispensed with a liberal hand by a number of polite and accommodating young lady assistants. The four sections were divided by elegant Persian portieres, and the counter was made of Rosewood with gold trimmings of Oriental pattern. The Maple Syrup was drawn from a real Maple tree, imported for this special occasion by Mr. Wolff, the genial manager of the exhibit. The Cream was drawn from the udder of a miniature cow whose appearance was so true to nature that many of the lady visitors were, at first sight, timid and hesitated to approach it. It is said that several of the young ladies employed in the booth eyed it in askance when first it made its appearance, but were, from daily companionship in the booth, cured of the fright and came to look upon it as a rare pet. For the elegant display the firm was awarded a Grand Silver Medal

CORLE & SONS.—Best Oatmeal. Diploma

J. SEIDEL & Co.—Display of Fruit Juice Tablets Diploma

SOUTH SAN FRANCISCO PACKING & PROVISION CO.—Best Smoked  
Meat, Pacific Coast Manufacture. Diploma

Respectfully submitted,

ELISHA RANSOME,

W. H. NASH,

D. E. ALLISON,

J. P. HULME.

A. W. PORTER,

Committee.

## REPORT OF SPECIAL JURY ON CLASSES 42 AND 43.

### CLASS No. 42.

#### **Wines and Brandies of California from California Vineyards.**

J. GUNDLACH & CO.—General display of California Wines and Liquors.

The display of Gundlach & Co. occupied a position directly to the left of the main entrance, facing the east front of the Pavilion and was very carefully arranged and presented a decidedly inviting appearance. The centre piece was a representation of the youthful "Bacchus," seated astride of a large wine cask, his head wreathed in vines and a flagon of California wine in his hand. This artistic piece was executed by Mr. Rupert Schmid especially for this Exhibition. The variety of wines and liquors displayed was complete, and comprised all the noted brands for which this firm is celebrated. The following awards were made to the firm by the jury, after a careful and deliberate test of the samples which were furnished and prepared without the members of the jury having any cognizance of the exhibitors furnishing the same:

For finest general display of California wines.	Gold Medal
Finest Red Wine, Burgundy, "Chambertin."	Diploma
Finest Sweet Wine, Malaga, "Tintillo."	Diploma
Finest Burgundy Type, "Chablis."	Diploma
Finest White Wine not classified, "Semillon."	Diploma
Finest Madeira Type, "Madeira."	Diploma
Finest Oporto Type, "Trusseau Sublime."	Diploma
Finest Angelica, "Vino de Oro."	Diploma
Finest Middle Age "Cognac" Brandy	Silver Medal

ARPAD HARASZTHY & Co.—Display of California Wines and Champagne made by natural process “Eclipse.” Mr. Haraszthy’s name is a household word in California, and the celebrated “Eclipse” is well known to connoisseurs. It is therefore unnecessary to go into detail in regard to the same. The display was made up in the shape of an oblong room or booth, entirely composed of filled bottles of “Eclipse,” piled in tiers one above the other, and presented at once a startling and pleasing appearance; startling because there was apparently no support for the bottles, piled as they were, and pleasing because of the general appearance and artistic arrangement. Inside this room was displayed an assortment of the various brands of wines and liquors made by the firm, in the centre of which was a niche containing a small statue of a female figure at a well, pouring onto the thirsting Earth, from a handsome bronze pitcher, a liberal potation of the celebrated brand of Champagne above mentioned. Following is a list of awards made to Haraszthy & Co.:

Finest Champagne produced by fermentation in the bottle, or the natural process	Gold Medal
Finest White Wine, Burgundy, “Chablis.”	Diploma
Finest Red Wine, “Zinfandel Claret.”	Diploma
Finest Sweet Red Wine not classified, “Malaga.”	Diploma
Finest Claret Type, “Chateau de Orleans.”	Diploma
Finest Burgundy Type, “Burgundy.”	Diploma
Finest Rhenish Wine, “Gutedel.”	Diploma
Finest Sweet White Wine not classified, “Alicante.”	Diploma
Finest Brandy under five years of age.	Bronze Medal

The following awards were also made to exhibitors of wines and liquors:

C. C. McIVER.—Finest White Wine, “Reisling.”	Diploma
C. WETMORE.—Finest White Wine, “Chateau Yquem.”	Diploma
Finest Red Wine, Claret, “St. Julien.”	Diploma
JNO. L. BEARD.—Finest Red Wine, “Matero.”	Diploma
A. B. HASBROUCK.—Finest Sweet White Wine, “St. Remy.”	Diploma
JULIUS P. SMITH.—Finest Red Wine not classified, “Cabernet.”	Diploma
Finest Sweet White Wine not classified, “Tokay.”	Diploma
I. DE TURK.—Finest Sauterne Type, “Sauterne.”	Diploma
JOHN KAISER.—Finest Sherry Type, “Sherry.”	Diploma
Finest old Cognac Brandy.	Grand Silver Medal



NEVIS WINERY.—Finest Sweet Muscatel Type, "Muscatel." Diploma

There were no exhibits of articles coming under the head of Class Forty-three.

After a very careful and impartial examination into the merits of the above named exhibits of Wines, etc., your committee respectfully submit the foregoing report for your consideration.

JNO. SCOTT WILSON,  
WM. C. MURDOCH,  
GEO. W. WATTS,  
Committee.

## CLASS No. 44.

### Tobacco.

P. LORILLARD & Co.—Display of "Grizzly Plug Cut Tobacco" and other brands of Smoking and Chewing Tobaccos. An elegant display made from the packages of the various brands, arranged in the shape of a revolving light-house and sea-beach at the foot of the same.

The elegant diamonds displayed by the colored attendant were nearly as dazzling as the electric rays that emanated from the turret of the light-tower. Silver Medal

H. BOHLS & Co.—Tobacco, fine-cut and Smoking, and Cigarettes of Pacific Coast manufacture. Three evenings per week there were a number of handsome young ladies employed at this exhibit in the making of "Palo Alto" cigarettes. The tobacco displayed was of superior quality, and that used in the making of the cigarettes was of the finest and best.

For best Pacific Coast manufactured Cigarettes.

Bronze Medal

For best Pacific Coast manufactured Fine-cut and Smoking Tobacco Silver Medal

## CLASS No. 45.

### Geology, Mineralogy, Zoology, Botany, Etc.

DR. J. W. HUDSON.—Display of Indian Baskets and Curiosities. This collection was in charge of Mrs. Grace Hudson and consisted of a large number of interesting objects made by the Indians of California and valued at several thousand dollars. The entire collection is owned by Dr. Hudson and kindly loaned to the 27th Exposition, where it has been a special and attractive feature.

Silver Medal

BRO. GEO. ALBERT.—Relief Maps of California and Counties. The maps displayed here by the above-named gentlemen are the most correct and interesting ever seen in this city. The large maps of the State are the work of Bro. George Albert, who is the Principal of St. Joseph's Catholic School in this city, and represent the untiring work of over two years. The maps are constantly improved and additions made by the Brother, as new roads and railway lines are opened up and surveys made. There were also a number of maps made by the pupils of the school which gave evidence of the great strides made by them in education and the general knowledge of their state and city.

Grand Silver Medal

MRS. R. F. HERRICK.—Collection of Relics and Curiosities of Humboldt County.

The collection was shown in connection with the general display from Humboldt County and was brought to this city by Mrs. Herrick at her own expense, as the individual exhibit of that lady. There were splendidly mounted animals, among which was the largest stuffed bear ever exhibited in this city. It stood over two feet in height and when alive weighed more than a large-sized ox. Mrs. Herrick was in daily and nightly attendance and delivered a series of lectures upon the resources of her county, which certainly gave evidence of having a great number of industries not generally accredited to that section of the country. There was awarded for this splendid display,

Silver Medal

STANLEY ADDERLY.—Display of Sponges and Curios                      Diploma

HUMBOLDT COUNTY MINERAL WATER CO.—Display of Mineral Water.  
Bronze Medal

MISS JOEY ANDERSON.—Display of Curiosities and Products of Lake County.                      Diploma

PLUMAS COUNTY.—Display of Minerals. This display was the best of the kind at the Exposition and was awarded a                      Gold Medal

SONOMA COUNTY.—Stuffed Animals and Birds. This collection was small, but very creditable.

MISS M. E. KELLY.—Relics and Manuscripts of Marshall, the Discoverer of Gold in California. This collection consisted of the manuscripts and diary of this now famous man, and contain much information in regard to the valuable discovery made by him at Sutter's Fort, in the "Days of Old, the Days of Gold, the Days of '49."

MRS. G. EIBERSCHUTZ.—Collection of Curiosities and Fossils.

WELLS, FARGO & Co.—Collection of relics of Pioneer times in California and the early days of the Express business. The very valuable collection displayed by this well-known company was under the direct supervision of Captain Bradford, who is himself a pioneer and has been in the Express business for a number of years. He has displayed the greatest interest in his business and has been the holder of many important and valuable positions of trust under the company he represents. The curiosities contained many relics of interest to the people of this State and the entire Pacific Coast, among which were several which appealed to the feelings of many of those who reside in this city, where the capture of the modern Dick Turpin, otherwise known as “Black Bart,” was effected. The old valise, containing the canned pemmican, the preserved food which kept Bart alive while on the road, and the tell-tale cuffs and laundry marks by which he was detected, was there; also any number of dangerous and deadly looking weapons which had served their purpose as engines of defense or offense, boxes and strong safes which had not been strong enough to resist the inroads of the robbers’ axes and sledges, the gun with which the unfortunate Messenger Roberts was hurried into eternity, and many other things which caused a shudder or a romantic thrill to pass through the being of the beholder. There was the only remaining Overland Stage Coach, the only one now in existence, procured at great expense and trouble, after several months of unremitting search upon the part of Captain Bradford and others, for exhibition at the Columbian Exposition, and shown here before sending it to the World’s Fair City. Every detail of this famous coach was perfect and it stood exactly as it appeared when it was used to cross the Plains and carry the precious freight of passengers and treasure. Diploma

E. A. T. GALLAGHER.—A dress worn by the “Belle of Marin County” on Montgomery street, as late as April, 1849, when the water came up to that now “up-town” highway. The dress consists of a string made from buckskin, dangling from which are a number of twisted reeds or thongs which probably extended to the knee. “Only this and nothing more.” It is a costume which is not calculated to give much warmth or comfort to the belle of to-day, especially during the winter months, but it was enough for the dusky damsel who wore it then, as she was only a poor “Injun.”

THOS. LUNDY.—Pebbles and Fossils from Alameda county. Diploma

ANDREW MUNZ.—Collection of Horns of Animals. This collection contains horns of many animals now nearly extinct, including the American Bison or Buffalo. Diploma



STATE MINING BUREAU.—General collection of specimens and Minerals of the Pacific Coast. This was a special exhibit and did not enter for competition, but the general excellency of the display is worthy of recognition, and in consequence there was made an award of a Diploma

W. G. HUDSON, M. D., SHASTA COUNTY.—Exhibit of Minerals and Geological Map of the county. Grand Bronze Medal

GEYSER WATER CO.—Artistic and realistic display of their Mineral Water and the Sonoma County Geysers. The display consisted of a large model, in plaster, of the scenery and surroundings of the celebrated Geysers from whence the water is taken. In the center of the background was a colossal "Geni of the Geysers" in a kneeling position, with uplifted arms, in the act of rending apart the rocks and freeing the waters which gushed down the hillside. He also emitted steam from his mouth, and there were several jets spouting forth from the adjacent rocks. A small hut of logs, in the foreground, was the romantic store-house for the distribution of samples of the water, which was a scene of constant interest every afternoon and evening. The work was done by Messrs. Rupert Schmid and Lee Lash, two well-known artists of this city, and was certainly well worth the attention which it attracted at all times. The scenery was faithful to Nature, as the entire piece was modeled from photographs and sketches of the Geysers taken by the above-named artists.

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## CLASS No. 46.

### Farm Products.

In class 46 your committee has had to devote the most of their time and the Exhibits of the various counties were so very large and varied and of so much real merit in themselves and as an advertisement of the wealth and possibilities of our State, that in several instances we have been much in doubt in regard to doing full justice to the right exhibit and at the same time no injustice to others. Your Board will readily see the delicate position we have been placed in where all are so very good,\* as it is hard to say that this or that is "best." The awards and exhibits were as follows:

SACRAMENTO COUNTY.—The products and other exhibits of this county were placed on the north side of the Pavilion, in the center of the north wing, and were carefully arranged in the very best manner to set forth their respective merits. Along the walls were

arranged shelves upon which stood jars and glasses of preserved fruits and vegetables. In the center were built pyramids and tiers of grains, woods and other natural products of the County, and in the center of all was a Pavilion erected from the jars of jams and jellies put up by the ladies of Sacramento County. Large palms graced the entrances to this Pavilion, and the entire Exhibit took up a space of twenty-five by one hundred and twenty feet, not one inch of which was bare, but filled with the numerous articles placed upon exhibition by the management of the County Board of World's Fair Commissioners. The whole display was in place and ready in every detail upon the opening night and presented an extremely attractive appearance.

For best, most extensive and varied exhibit of Farm Products.

Gold Medal and \$1,000

PLACER COUNTY.—Second best display of Farm Products. The products of Placer County were arranged in the form of a pyramidal Arch, with entrances on either side, allowing the beholder to pass through it and examine the other side without going around the end. It was handsomely decorated and the two entrances were made up of Potteryware, of which a large amount is annually shipped from the county. The universal "soubriquet" of the county is "The Gateway of the State," as it is the first county into which the Central Pacific Railroad enters after passing over the State Line between California and Nevada. A few years ago this county was the scene of vast mining interests and the miners looked upon it as a worthless waste of drear and rocky country after they had extracted the precious minerals from its bosom. A few adventurous men, with the grit and pluck which is ever characteristic of Californians, undertook to show to the world that their adopted homes were not to be given over to the wild beasts again, and confidently tilled the little soil which had not been washed down the Sacramento and other streams by hydraulickers, planted and cultivated it and then hopefully watched the issue. In a short time there appeared a good and wholesome crop and the experimenters were jubilant. The land *was* good and they were consequently happy. Another and still another emulated the example set by the few, and in addition to the usual crops of grains and fruits they planted Citrus fruits, but were laughed at for their pains, as there were few who believed that such could attain any growth in so far a northern belt. But the outcome was as gratifying as the previous attempts, and now we have a variety of Citrus fruits from Placer county which will hold its own with any in the

market. This was amply demonstrated in the Colossal Arch which was erected at the entrance of the main aisle and entirely covered with oranges from this county. There were over twelve thousand oranges in the Arch and all were unexcelled for their fragrance, color and taste, and were as fresh on the closing as they were at the opening of the Fair, very little renewing having been found necessary during the progress of the Exposition. This county was awarded, for the second best display of Farm products  
Grand Silver Medal and \$600.00

ALAMEDA COUNTY.—Next in the list of county displays came Alameda county with a very excellent assortment of all the fruits and vegetables known to our market, together with a comprehensive display of the numerous stages of the manufacture of sugar from the Beet. There were also shown a variety of wines and other liquors the same as made by the other counties. Alameda county is well known as having all varieties of climate, and although there was no specimen of this product, the variety of other products amply demonstrated the fact that Alameda county can and does raise anything and everything from the fruits of the far north to the tropical growth of Oranges and Palms. She has been known to have her plains dried and parched with the hot sun of summer and at the same time a heavy coat of snow on her hill tops towards which many a perspiring native looked and longed. For third best display of Farm products. Grand Silver Medal and \$400.00

HUMBOLDT COUNTY.—Fourth best display. Next in order, but not at all the least, comes the famous county of Humboldt. Shut off from the world as she is, having no railroad to or from the outer and neighboring country, Humboldt county stands to-day one of the most productive of all in this State. No approach can be made to this county without a long and rough trip by water, yet she shows to the world that she has as many, and more, resources than the average. There is an impression in the minds of many who have not visited this county, nor seen the many wonderful exhibits which were displayed at this Exposition, that the principal product of this county is redwood and lumber. That this is a very erroneous idea was amply demonstrated at the Fair and it is probably owing to the limited means of transportation that there were not more wonders displayed there. To a woman is due the credit of the entire display. Mrs. R. F. Herrick, by her untiring interest in her county, enabled the large number of visitors to the Fair to see what the country could do "away up North." This county was awarded, for the fourth best display of Farm products, a  
Bronze Medal and \$250.00



Besides the above mentioned exhibits were the following:

- SARATOGA PACKING Co.—Dried Prunes. Silver Medal and \$100.00
- BUTTE COUNTY.—Best display of Wheat in grain and sheaf  
Silver Medal and \$100.00
- Best display of Barley in grain and sheaf. Silver Medal and \$50.00
- Best display of Oats in grain and sheaf. Silver Medal and \$50.00
- SACRAMENTO COUNTY.—Best display of Rye in grain and sheaf.  
Silver Medal and \$50.00
- Best display of Cured Forage Plants and Grasses. \$100.00
- Best display of Jellies in glass, home-made. Silver Medal and \$25.00
- Best display of Jams in glass, home-made. Silver Medal and \$25.00
- Best display of Preserved Fruits in glass, home-made.  
Silver Medal and \$25.00
- Best assortment and quality of Pickles, home-made.  
Silver Medal and \$25.00
- Second best display of Vegetables. Bronze Medal and \$25.00
- SONOMA COUNTY.—MRS. FRANCES PURRINGTON.—Best display of Corn  
in ear and stalk. \$100.00
- Best display of Hops. Silver Medal and \$25.00
- Best display of Indigenous Foods. Silver Medal and \$100.00
- Second Best display of Apples. Silver Medal and \$50.00
- ALAMEDA COUNTY.—Best display of Chevalier Barley for brewing.  
Silver Medal and \$15.00
- ALAMEDA COUNTY.—PLEASANTON HOP Co.—Superior quality of Hops.  
Diploma
- ALAMEDA COUNTY CAKE AND PRESERVING COMPANY.—Second best  
display of Canned and Preserved Fruits and Vegetables.  
Grand Silver Medal
- J. V. N. YOUNG, San Luis Obispo County.—Best display and variety of  
apples. Silver Medal and \$100.00
- ISAAC LEE, Sacramento County.—Best display of California Licorice.  
Silver Medal and \$50.00
- C. L. DURBAN, Butte County.—Second best display of California Rai-  
sins. Silver Medal and \$100.00
- J. H. FLICKENGER.—Best display of Canned and Preserved Fruits and  
Vegetables. Gold Medal
- Second best display of Dried Fruits. Silver Medal and \$100.00
- Second best display of Dried Prunes. Bronze Medal and \$50.00
- A. T. HATCH.—Best display of Cultivated Nuts. Gold Medal and \$50.00

JOHN BIDWELL, Butte County.—Second best display of Cultivated Nuts.  
Silver Medal and \$25.00

FONTANA & Co.—Display of Canned Fruits and Vegetables.  
Grand Bronze Medal

SONOMA PRESERVE COMPANY.—Best display of Pickles and Sauces.  
Silver Medal

J. H. DURST.—Meritorious exhibit of Hops and other products of Yuba  
County. Silver Medal

WILLIAM FOSTER, Placer County.—Best display of Dried Figs.  
Silver Medal and \$100.00

H. C. BELL, Butte County.—Second best display of Dried Figs.  
Bronze Medal and \$50.00

MRS. MARY KERR, Sacramento County.—Display of Dried and Pre-  
served Figs. Bronze Medal and \$25.00

S. SCHAFFER.—Preserving process for Fruits, etc. Grand Silver Medal

SAN LUIS OBISPO COUNTY.—Best display of Vegetables, etc.  
Silver Medal and \$50.00

DR. O. HARVEY, Sacramento County.—Best display of Cheese,  
Silver Medal and \$25.00

F. P. MCLENNAN.—Best display of Wool. Silver Medal and \$50.00

MRS. EMILY ROBERTSON, Placer County.—Large and choice exhibit of  
Olive Oil. Diploma

PRODUCE EXCHANGE OF SAN FRANCISCO.—Exhibit of Natural Prod-  
ucts of the State of California. Diploma

JOSEPH PURRINGTON, Sonoma County.—Fine exhibit of Wool.  
Grand Bronze Medal

W. H. SOUTHER.—California Fruit-Tree Sprayer and Insect-Extermi-  
nator. Grand Silver Medal

SAN LUIS OBISPO COUNTY.—For their most excellent exhibit of the  
Products of that County. Special Grand Silver Medal

MERCED COUNTY.—Products of the County.

WILLIAM WOOD.—Two "Washington Navel" Orange Trees, one year  
bud.

J. L. LOCKE.—Washington Navel Orange and Lemon Trees.

The above report is made from the personal observation and practical experience of the jury, who made a careful and conscientious examination of the entire class of exhibits.

Respectfully submitted,

ELISHA RANSOM,  
W. H. NASH,  
D. E. ALLISON,  
J. P. HULME,  
A. W. PORTER,  
Committee.

As encouragement to exhibitors to have their exhibits in order on the opening day, the management offered three premiums amounting to \$1,000, which were awarded as per the following report:

JANUARY 12, '93.

*To the Directors of the Mechanics' Institute:*

The committee of jurors appointed by your board on Opening Day Exhibits for the present Fair, beg leave to make the following reports:

To Sacramento County we award the Premium No. 916, of \$500, for the most complete exhibit on the opening day.

To Placer County we award the Premium No. 917, of \$250, for the most original and attractive exhibit on the opening day.

To Sacramento County we award the premium No. 918, of \$250, for the widest range of useful products exhibited on opening day.

Yours respectfully,

JAMES SPERRY,  
ELISHA RANSOM,  
J. P. HULME,  
D. E. ALLISON,  
W. H. NASH,  
A. W. PORTER.



## The Northern California Citrus Fair.

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The largest and most interesting exhibit of Citrus Fruit ever shown on this coast was included in this display, and almost wholly brought from what is known as the Northern Citrus Belt, a tract of country comprising many square miles lying in several counties, the exhibits being from Sacramento, Yuba, Placer, Butte, Tulare, Stanislaus and San Joaquin.

The pronounced success of the Citrus Fair was largely due to the force, energy and businesslike management of the officers and executive committee having immediate charge of instituting and superintending the work, and are deserving of the thanks of the entire Pacific Coast for the object lesson they placed before the wondering eyes of our own people and visitors from other lands. They were Thomas B. Hall, D. K. Perkins, Dr. Thos. Ross, William B. Gester, James K. O'Brien, B. N. Rowley and J. F. Madden.

The Superintendent, Mr. O'Brien of Smartsville, and the Secretary, Mr. Gester of Newcastle, were in constant attendance and indefatigable in their efforts to care for the exhibits and entertain visitors.

One of the effects of the late Citrus Fair was to bring to the knowledge of thousands of Californians who had not known it before, the amazing diversity of products which our soil and sunshine are capable of bringing forth from almost every section of this truly Empire State. Thus while the orange growers of Auburn and other parts of Placer County were surprising visitors from all parts of the world by the excellence and beauty of their oranges and lemons displayed in the Pavilion, people in the eastern end of the same county were gathering an ice crop that would do credit to Nova Scotia.

Placer County, being the gateway of California, erected at the main entrance the "Orange Gateway," a massive structure 70 feet long and 35 feet high, through whose grand arches visitors first saw the golden wealth beyond. Over 30,000 oranges were used in its construction and ornamentation.

Yuba County's special feature was a model of the California Building at the World's Fair, and a Dutch Windmill. The latter was specially attractive, being in motion and pumping water that formed a large stream running over rocks and through a garden around its base.

Butte County had an Arcade and Clock Tower from Palermo, and the "Rock of Ages" from Oroville, the latter being a special and at-

tractive feature of the Exposition. The ascension of two young ladies representing the "Angels" at nine o'clock each evening was the signal for a great rush in that direction, and many came especially to see the wonderful reproduction in life of that noted picture the "Rock of Ages." The effect was greatly enhanced by the lights being suitably arranged and appropriate music played during the representation.

Sacramento County had a full-sized locomotive and tender, both completely covered with oranges and other fruits, making an exact representation of a highly finished engine.

The premiums for this exhibit were entirely separate from the Institute awards, being given by the Society and decided by A. W. Porter, D. E. Allison and J. G. Wetmore, who acted as judges and reported as follows:

CLASS I—BEST GENERAL DISPLAY OF CITRUS FRUITS.

First premium—Butte county, \$250; second, Placer county, \$200; third, Tulare county, \$150; fourth, Yuba county, \$100; fifth, Sacramento county, \$50.

CLASS II—BUDDED ORANGES.

First premium—G. Frost, Porterville, Tulare county, \$200; second, Robert Hector, Monte Rio, Placer county, \$150; third, Oroville Citrus Association, Butte county, \$100; fourth, N. W. Winton, Thermalito, Butte county, \$75; fifth, W. A. Rogers, Thermalito, Butte county, \$50; sixth, Butte County Infirmary, \$40; seventh, G. A. Fisher, Thermalito, Butte county, \$30; eighth, G. W. Hutchins, Marysville, Yuba county, \$20; ninth, A. F. Jones, Oroville, Butte county, \$10; tenth, Mrs. F. Owen, Penryn, Placer county, \$5.

CLASS III—BUDDED ORANGES.

(Best 12 budded oranges grown by exhibitor.)

First premium—G. Frost, Porterville, Tulare county, \$10; second, Mrs. A. F. Jones, Oroville, Butte county, \$9; third, Oroville Citrus Association, Thermalito, Butte county, \$8; fourth, G. Frost, Porterville, Tulare county, \$7; fifth, Robert Hector, Monte Rio, Placer county, \$6; sixth, Mrs. C. D. Dunn, Oroville, Butte county, \$5; seventh, George A. Fisher, Thermalito, Butte county, \$4; eighth, G. Frost, Porterville, Tulare county, \$3; ninth, Oroville Citrus Association, Thermalito, Butte county, \$2; tenth, G. Frost, Porterville, Tulare county, \$1.

CLASS IV—BUDDED ORANGES.

(Best display standard boxes packed for market. Not less than 5 boxes.)

First premium—Oroville Citrus Association, \$25; second, Jacob Mansfield, Wyandotte, Butte county, \$20; third, R. C. Chambers, Palermo, Butte county, \$15.

CLASS V—SEEDLING ORANGES.

(Best general display by producer.)

First premium—James K. O'Brien, Smartsville, Yuba county, \$150; second, O. R. Owens, Penryn, Placer county, \$100; third, Butte County Infirmary, \$75; fourth, C. H. Mero, Knight's Ferry, Stanislaus county, \$60; fifth, E. W. Fogg, Pence Ranch, Butte county, \$40; sixth, Excelsior Water and Mining Company, Yuba county, \$30; seventh, Mrs. W. N. Rogers, Marysville, Yuba county, \$25; eighth, Mrs. Mary Karr, Marysville, Yuba county, \$20; ninth, F. G. Congdon, Smartsville, Yuba county, \$10; tenth, Miller & Lusk, Marysville, Yuba county, \$5.

CLASS VI—SEEDLING ORANGES.

(Best 12 seedling oranges grown by exhibitor.)

First premium—W. J. Prettyman, Porterville, Tulare county, \$10; second, Jacob Mansfield, Wyandotte, \$9; third, J. W. Currie, Plano, Tulare county, \$8; fourth, W. B. Vineyard, Smartsville, \$7; fifth, Mrs. Mary Karr, Marysville, \$6; sixth, Excelsior Water and Mining Company, Yuba county, \$5; seventh, Mrs. M. A. Benjamin, Oroville, \$4; eighth, Robert Beatty, Smartsville, \$3; ninth, William A. O'Brien, Smartsville, \$2; tenth, F. G. Congdon, \$1.

CLASS VII—SEEDLING ORANGES.

(Best display standard boxes packed for market. For less than 5 boxes.)

First premium—I. R. Ketchum, Bidwell's Bar, Butte county, \$25; second, James K. O'Brien, Smartsville, \$20; third, Butte County Infirmary, \$15.

CLASS VIII—LEMONS.

(Best display by producer.)

First premium—W. J. Prettyman, Porterville, \$50; second, E. Tucker, Oroville, \$35; third, Pogue & Son, Lime Kiln, Tulare county, \$25; fourth, Mrs. Mary Karr, Marysville, \$15; fifth, Mrs. M. D. Coombs, Marysville, \$10.

CLASS IX—LEMONS.

(Best 12 lemons grown by producer.)

First premium—J. C. Hussey, Thermalito, \$7.50; second, W. J. Prettyman, Porterville, \$5; third, Pogue & Son, Lime Kiln, Tulare county, \$2.50.

CLASS X—LIMES, ETC.

(Best display by producer.)

First premium—E. Tucker, Oroville, \$20; second, W. J. Prettyman, Porterville, \$15; third, M. Biggs Jr., and A. F. Jones, Oroville, \$10; fourth, J. Gardella, Oroville, \$5.

CLASS XI—CITRUS NURSERY STOCK.

(Seedling and budded, grown from seed by exhibitor.)

First premium—Oroville Citrus Association, \$20; second, H. C. Bell, Oroville, \$15.

CLASS XII—ARTISTIC EXHIBITS.

First premium—Windmill, Yuba county, \$75; second, locomotive, Sacramento county, \$50; third, Arcaded Market, Butte county, \$25.



# CLASSIFIED LIST

## OF

# PREMIUMS AWARDED.

### GOLD MEDALS.

Class.	Exhibitor.	Article.
1	Ohmen, W. H.....	Best Automatic Compound Steam Engine
2	Dow Steam Pump Works.....	Best Display Steam Pumps
6	Joshua Hendy Machine Works .....	Best Display Mining Machinery
18	John Mallon... Best Display Art, Stained, Cut and Embossed Glass	
18	Hatch, Thomas.....	Best Display Ornamental Native Woods
18	Gump, S. & G.....	Best Fine Art Display
20	O'Brien & Sons .....	Novelty Wagon of T. C. Marceau
21	Indianapolis Furniture Company .....	
	.....	Best Display Furniture and Upholstery
26	Mrs. Frances Purrington.....	Best Display Woolen Blankets
41	Alameda County.....	Exhibit of California Beet Sugar
42	J. Gundlach & Co.....	Finest General Display California Wines
42	Arpad Haraszthy & Co.....	Best Champagne, Natural Process, 1893
45	Plumas County World's Fair Association, S. S. Taylor, Agent .....	
	.....	Best Mineralogical Display
46	Sacramento County.....	Best Exhibit of Farm Products
46	Cary, L. H., Placer County.....	Best Display California Raisins
46	Shields, Mrs., Sacramento County .....	
	.....	Best Display Dried-fruits by Producer
46	Hatch, A. T.....	Best Display Cultivated Nuts by Producer
46	Flickenger, J. H.....	
	.....	Best Display Canned and Preserved Fruits and Vegetables

### GRAND SILVER MEDALS.

Class	Exhibitor.	Article.
3	California Wire Works.....	Nail Machine in operation
5	George E. Woodbury.....	Wet Concentrator in operation
5	Palmer & Rey.....	Best Display Printing Machinery

12	Washburn & Moen Manufacturing Company .....	Artistic Display Wire and Wire Work
12	California Wire Works .....	....Best Display Wire and Rope, Pacific Coast Manufacture
14	Crane Company.....	Best Display General Hardware
17	Inyo Marble Company.....	Best Display California Marble
20	John Hammond ....	Street Railway Car, Pacific Coast Manufacture
22	August Jungblut.....	Display Billiard Tables and Fixtures
23	D. Woerner.....	Best Display of Cooperage
24	Humboldt County.....	Best Display Pacific Coast Tanned Leather
24	H. N. Cook Belting Company.....	.... Best Display Leather Belting and Tanning Process
24	Liebold Harness Company.....	Best Display Harness and Saddlery
27	C. Limousin..	Best Display Kid Gloves and Manufacture
28	William Hilton.....	....Silk, woven in Pavilion
37	Shirpser Jewelry Company.....	Souvenir Spoons and Etching
38	H. C. Ford.....	....Historical California Etchings
39	George Steckel.....	Best and Most Artistic Collection Photographs
41	Williams, Brown & Co.	Display Cocoa-Coffee, Maple Syrup and Cocoa
42	Kaiser, John.....	Finest old Cognac Brandy
45	Albert, George Bro.....	Best Relief Maps of California
46	Placer County.....	Second best Display Farm Products
46	Alameda County Cake and Preserving Company.....	Second best Display Canned and Preserved Fruits and Vegetables
46	S. Schaffer .....	Best Ventilating Cold-Storage Process
46	San Luis Obispo County.....	Excellent Display of Farm Products
46	Alameda County.....	Third Best Display of Farm Products

## SILVER MEDALS.

Class.	Exhibitor.	Article.
1	A. Schilling & Sons....	Best Gas Engine, Pacific Coast Manufacture
2	Trowbridge & Dykes.....	Best Ship Pump
2	Cleveland Faucet Company.....	....Air Compressor, Beer Coolers and Faucets
2	Crane Company...	Best Display Hand Pumps
3	George Cumming.....	Best Portable Forge
5	Palmer & Rey.....	Foot Power Printing Press
5	Crane Company.....	Best Windmill
6	R. G. Denniston.....	Amalgamated Mining Plates

- 6 F. A. Huntington.....Quartz Mill in operation  
7 Pacific Laundry Machine Company.... Display Laundry Machinery  
8 W. T. Y. Schenck..... .. Fire Apparatus  
9 Canadian Pacific Railway Company.....  
..... Model of Steamer "Empress of India"  
9 James Rowe..... Rowe's patent Teredo-Proof Pile-Protector  
10 Washburn & Moen Manufacturing Company.. Loom for Wire Cloth  
10 William Hilton..... Loom and Weaving Silk  
11 Baker & Hamilton.....Best Gang Plow  
11 J. A. Bilz.....Best Double and Single Vineyard Plows  
11 George W. Stevens.....Best Fruit-Packer  
11 J. A. Ledden.....Best Fruit-Pitter  
11 J. Blauffer.....Spring Tug-Link  
13 Abrahamson Ventilator Company.....Best System of Ventilating  
13 J. G. McCraith & Co..... Best Display Grates and Appurtenances  
16 Sanders & Co..... Best Copper Work  
16 Rapid Safety Filter Company.....Best Water Filter  
16 Crane Company.....Best Display Plumbers' Goods  
17 Maddux & Co., Sacramento County....Best Sewer and Drain Pipe  
17 Bartoli & Co..... Roman and Venetian Mosaics and Flooring  
17 G. W. Parker .....Manufacture of Pottery in Pavilion  
17 Amador Marble Company..... Best Display of Cut Stone  
18 W. H. Chaffee... Display of Native Woods and Ornaments of same  
18 William Schroeder..Display and Manufacture Mosaic and Art Glass  
18 H. Euler & Co.....Best Wooden Mantel  
19 B. Curtaz & Son.....Best Display Imported Pianos  
19 Kohler & Chase.....Best Brass Wind Instruments  
19 Cress Unger.....Best Banjo, California Manufacture  
19 H. Muller..... Best Zither, his own make  
20 T. H. B. Varney.....Best Display Bicycles and Tricycles  
20 O'Brien & Sons .....1. Best Hack.  
.....2. Best Coupe.  
.....3. Best Top-Buggy.  
.....4. Best Open Buggy.  
.....5. Best Ladies' Phaeton  
20 A. S. Mersereau.....Shifting Buggy Top  
21 M. C. Taylor .....Bed for Moving Invalids  
21 John McCarthy..... Furniture made from Horns of Animals  
21 Pacific Spring and Mattress Company....Best Lounge and Sofa Bed  
21 E. H. Marwedel..... Best Display Window Fixtures  
23 Buchanan Bros.....Best Display of Brushes and their Manufacture  
25 Duke & Berger.....Best Roll Paper



- 25 Paraffine Paint Company..... Sheathing Paper and Felt  
 35 Mrs. William Kirk, Alameda County .....  
       .....Best Display Raw Silk, Eggs and Cocoons  
 27 Thomas E. Kent.....Best Display of Shirts  
 28 Seiler Corset Company.....Best Corsets  
 28 F. & G. Thomas..... Dyed and Cleaned Goods  
 28 M. B. Mihran ..... Display of Oriental Rugs  
 28 Alameda County, Brown's Art Parlors.....  
       .....Display of Needlework, Embroidery, etc.  
 29 California Electrical Works.....Display of Electrical Goods  
 29 Washburn & Moen Manufacturing Company. Best Submarine Cable  
 30 California Optical Company..Display Optical Goods and Apparatus  
 31 C. P. Heininger.....Shell Jewelry and Fancy Work  
 32 H. S. Crocker Co....1. Best Specimens Chromo-Lithographic Work.  
                                   2. Best Specimen Fine Book Work.  
                                   3. Best Lithographic Design.  
 33 Dewey Engraving Company.....Half-tone Photo-Engraving  
 35 Mary Curtis Richardson.....Best Figure Painting in Oil  
 35 William Keith..... Best Landscape Painting in Oil  
 35 R. D. Yelland.....Best Marine Painting in Oil  
 35 E. C. Peixotto.....Best Genre Painting in Oil  
 35 A. Joullin .....Oil Painting, "Offerings to the Gods"  
 35 Julius Ludovici..... Best Portrait in Oil  
 35 Miss Alice B. Chittenden.....Best Flower Painting in Oil  
 35 Mrs. Grace Hudson.....Oil Painting, "Little Mendocino"  
 35 Oscar Kunath.....Best Figure Painting, Water Color  
 35 K. Takahashi.....Best Landscape Painting, Water Color  
 35 K. Takahashi.....Best Marine Painting, Water Color  
 35 Miss Lou Wall.....Best Portrait, Water Color  
 35 Mrs. Dora Norton Williams..... Best Flower Painting, Water Color  
 35 Miss E. J. Reeves..... Native Woods decorated with Wild Flowers  
 36 C. E. Basbee..... Best Painting on Porcelain  
 36 Hans Dodel..... Permanent Photographs on China  
 36 Mrs. A. Fish.....Best display of Ceramic Art  
 36 Busch & Wocker.....  
       .....Tapestry Painting, Frescos and Interior Decoration  
 37 Rupert Schmid.....Best Plaster Cast, "California"  
 37 F. Peano.....Artistic Casting in Bronze  
 37 Mrs. F. Adams Waddell.....Best Exhibit Modern Carvings  
 37 F. M. Boughton.....Best Mosaic, Original Design  
 37 S. Sonnenfeld.....Best Lapidary Work  
 37 F. Moorecroft.....Best Stone Seal Engraving

- 38 S. Lando.....Best Charcoal Drawing
- 38 Julius Ludovici .....Best Exhibit Pastel Drawings
- 38 Mrs. N. S. Goodloe.....Best General Display Drawings
- 38 Van Vleck, O'Hara & Livermore.Fire Etchings and Wood Carvings
- 38 E. C. Peixotto.....Best Original Pen Drawing
- 38 F. L. M. Pape .....Pen Drawings
- 39 George Steckel....Best and most artistic Collection of Photographs  
Best and most artistic specimen of Photography.  
Best and most artistic Group Photograph.
- 39 Theodore C. Marceau.....  
.... ..Best Photographs colored in Oil and Water Color  
Best Photographs, Crayon-finished.
- 39 R. R. Bulmore... ..Best Landscape Photography by Amateur
- 39 J.W. Stateler.....Best Architectural and Interior Photography
- 40 Yucca Root Soap Company. ....  
.....Best Toilet Soap, Pacific Coast Manufacture
- 40 Coburn, Levis & Co....Best Axle Grease, Pacific Coast Manufacture
- 40 E.W. Joy.....Yosemite Cologne
- 40 Sparrowe Bros.....Display of Confectionery
- 41 New Liverpool Salt Company.....Artistic Display of Salt
- 41 Pacific Coast Syrup Company...."Toboggan" brand Maple Syrup
- 42 J. Gundlach & Co.....Finest Middle-age Brandy
- 44 P. Lorillard & Co....."Grizzly" Plug-cut Tobacco
- 44 H. Bohls & Co.....Fine-cut and Smoking Tobacco
- 45 Dr. J. W. Hudson.....Display Indian Baskets and Curios
- 45 Mrs. R. F. Herrick .....  
.....Collection of Relics and Curios from Humboldt County
- 46 Butte County.....Best Display of Wheat in grain and sheaf  
Best Display of Barley in grain and sheaf  
Best Display of Oats in grain and sheaf
- 46 Sacramento County.....Best Display of Rye in grain and sheaf
- 46 Joseph Purrington.....Best Display of Hops
- 46 Alameda County.....Best Display of Chevalier Barley
- 46 Mrs. Francis Purrington.....Best Display of Indigenous Foods
- 46 J.V. N. Young.....Best Apples by Producer
- 46 Mrs. Frances Purrington.....Second Best Display Apples
- 46 Isaac Lee, Sacramento County.....Best Display California Licorice
- 46 C. L. Durban, Butte County.Second Best Display California Raisins
- 46 J. H. Flickenger....Second Best Display Dried Fruits by Producer
- 46 John Bidwell, Butte County.....  
.....Second Best Display Cultivated Nuts by Producer
- 46 Sonoma Preserve Company.....Best Display of Pickles and Sauces

- ## GRAND BRONZE MEDALS.

- |    |  |   |
|----|--|---|
| 1  | Palmer & Rey.....  | Best Gas Engines                                      |
| 3  | San Francisco Chronicle....                                      | Display of Stereotype Work and Plates                 |
| 11 | E. C. Moulton.....   | Pea-Sheller   |
| 14 | R. Liddle.....   | Best Assortment Fire Arms                             |
| 13 | Security Cash Register.....                                      | Cash and Autographic Registers                        |
| 15 | Pierce & Co.....   | National Cash Registers                               |
| 16 | Cleveland Faucet Company.....                                    | Brass and Copper Beer Faucets                         |
| 19 | Kohler & Chase, Best Display Musical Instruments and Merchandise |   |
| 28 | Metz & Co.....   | Display of Artificial Flowers                         |
| 28 | Mrs. Frances Purrington.....                                     | Flag made of Silk Cocoons                             |
| 35 | Oscar Kunath.....  | Second Best Figure Painting in Oil                    |
| 35 | Thomas Hill.....   | Second Best Landscape in Oil                          |
| 35 | Norton Bush.....   | Second Best Marine Painting in Oil                    |
| 35 | Miss M. M. Froelich.....   | Second Best Genre Painting in Oil                     |
| 35 | Miss M. E. Nicholl.....  | Second Best Still Life Painting in Oil                |
| 35 | L. P. Lattimer.....  | Second Best Landscape Painting, Water Colors          |
| 35 | Mrs. C. B. Paine.....  | Second Best Marine Painting, Water Colors             |
| 35 | Lillian A. Howard.....   | Second Best Flower Painting, Water Colors             |
| 36 | Miss Carrie Hall.....  | Second Best Painting on Porcelain                     |
| 37 | T. B. Jackson.....   | Second Best Single Figure in Marble                   |
|    |  | Second Best Plaster Cast.                             |
| 38 | Oscar Kunath.....  | Second Best Exhibit, Pastel Drawing                   |
| 45 | William G. Hodson, M.D.....                                      | Minerals and Geological Map of Shasta County          |
| 46 | Fontana & Co.....  | Display of Canned and Preserved Fruits and Vegetables |
| 46 | Joseph Purrington.....   | Exhibit of Fine Wool                                  |





- ## DIPLOMAS.

- |    |                                      |  |
|----|--------------------------------------|--|
| 1  | Crane Company.....                   | Best Low-Water Indicator for Steam Boiler<br>Best Safety-Valve for Steam Boiler. |
| 2  | Trowbridge & Dykes.....              | Best Display Triplex Irrigating Pumps  |
| 2  | A. B. Murray....                     | Best Water-Motor for Light Machinery, in motion                                  |
| 3  | California Wire Works.....           | Best Wire-Staple Machine   |
| 5  | E. W. Hill.....                      | Best Mimeograph  |
| 7  | Pacific Laundry Machine Company..... | Best Clothes Drier   |
| 9  | George H. Duff.                      | Best Model of Schooner, Pacific Coast Manufacture                                |
| 11 | D. B. Mattock....                    | Best Fruit Gatherer  |
| 11 | Baker & Hamilton .....               | 1. Best Sulky Plow.<br>2. Best Plow for general use<br>3. Best Seed Sower.       |
| 11 | J. A. Ledden.....                    | Best Pruning Shears  |
| 11 | C. H. Kounberg .....                 | 1. Best Fence-making Machine<br>2. Best Model of Elevator Gate                   |
| 11 | R. J. Knapp.....                     | Best Side-Hill Plow  |
| 13 | W. C. Nelson .....                   | Parlor-Kitchen, Dish and Vegetable Washer, Camp-Chest and<br>Napkin-Supporter.   |
| 13 | C. L. Dingley.....                   | Flour Sifter   |
| 13 | Paragon Oil Company.....             | Oil Cans   |
| 13 | O. K. Hall.....                      | Baking Pan   |
| 13 | Rathjen Bros.....                    | Coffee Pots  |
| 13 | Eagle Automatic Can Company.....     | Outside Soldered Cans  |
| 13 | E. C. Moulton.....                   | Dish Washer  |
| 13 | W. R. Ellis.....                     | Chopping Bowl  |





- 34 Wilhelmina Sachaw..... Best Spanish-Work Tidy  
 34 Miss Kate Hall..... Crazy Quilt  
 34 Miss Anita Culligan..... Embroidered Peacock  
 34 W. K. Sproul..... Best Fishing Lines  
 34 Mrs. A. Murray..... Best Crocheted Quilt  
 34 Mrs. John Pettee..... Fish-Scale Cross and Flowers  
 34 Mrs. N. Chaigneau..... Feather Work and Pebble Bird  
 34 F. Peano..... Aluminum Bonnet and Pigeon  
 34 Mrs. E. M. Lewis..... Best Shell Work  
 34 Miss Helen Schau..... Best Knitted Curtains  
 34 Mrs. R. Duckworth... Best Rickrack Bedspread  
 34 Mrs. Fillebrowne..... Draw-Net Quilt and Shams  
 34 Miss Marwedel..... Kindergarten Work  
 34 Miss D. Mullaney..... Best Fancy Mat  
 34 Miss Rose E. Anderson..... Best Preserved Autumn Leaves  
 34 San Francisco Women's Auxiliary Corps .....  
     Exhibit of Women's Work, representing Art, Literature and  
     Music.
- 37 Miss Kate G. Perrine.... Carved Work on Mirror and Picture Frame  
 38 Giugara Hamada..... Best Original Architectural Drawing  
 38 J. E. Wollf..... Best Original Mechanical Drawing  
 38 L. Radovich ..... Pen Drawing  
 39 Canadian Pacific Railway Company.....  
     ..... Display of Photographic Scenery on their Road
- 40 Callustro Company..... Exhibit of Callustro Products  
 40 Christy & Wise..... Display of Hayward's Sheep Dip  
 40 Bates & Suydam..... Display of Gelatine of excellent quality  
 40 Boericke & Runyon..... Fine Display of Koumiss  
 40 Nebraska Starch Company..... Best Starch, "Argo Brand"  
 40 Cleveland Baking Powder Company..... Best Baking Powder  
 40 Paraffine Paint Company..... Fine Display of Paraffine Paint  
 41 Manhattan Food Company.... Display of Stock and Poultry Food  
 41 Cudahy Packing Company..... "Rex" Extract of Beef  
 41 Cudahy Packing Company.... "Rex" Canned and Preserved Meats  
 41 F. H. Ames & Co..... Best Salmon in cans, "Pride of Columbia"  
 41 Corle & Son..... Best Oatmeal  
 41 J. Seidl & Co..... Best Display Fruit-Juice Tablets  
 41 South San Francisco Packing and Provision Company.....  
     ..... Best Smoked Meat
- 42 C. C. McIver..... Best Riesling White Wine  
 42 C. Wetmore..... Finest Sauterne White Wine, "Chateau Yquem"  
 42 Arpad Haraszthy..... Finest Burgundy White Wine, "Chablis"

- 42 C. Wetmore..... Finest Red Claret Wine, "St. Julien "
- 42 J. Gundlach & Co..... Finest Burgundy Red Wine, "Chambertin "
- 42 John L. Beard..... Finest Red Wine, "Matero "
- 42 Arpad Haraszthy..... Finest Red Wine, "Zinfandel Claret "
- 42 Arpad Haraszthy.....  
..... Finest Sweet Wine not classified as Oporto, "Malaga "
- 42 J. Gundlach..... Finest Sweet Wine, Malaga "Tintello "
- 42 A. B. Hasbrouck..... Finest Sweet White Wine, "St. Remy "
- 42 Arpad Haraszthy..... Finest Claret Type, "Chateau d'Orleans "
- 42 Arpad Haraszthy..... Finest Burgundy Type, "Burgundy "
- 42 Julius P. Smith..... Finest Red Wine not classified in Type, "Cabernet "
- 42 Arpad Haraszthy..... Finest Rhenish Wine, "Gutedel "
- 42 I. DeTurk..... Finest Sauterne Type, "Sauterne "
- 42 J. Gundlach & Co..... Finest Burgundy Type, "Chablis "
- 42 J. Gundlach & Co.....  
..... Finest White Wine not classified in Type, "Semilion "
- 42 John Kaiser..... Finest Sherry Type, "Sherry "
- 42 J. Gundlach & Co..... Finest Madeira Type, "Madeira "
- 42 J. Gundlach & Co..... Finest Oporto Type, "Trousseau Sublime "
- 42 Arpad Haraszthy.....  
... Finest Sweet White Wine not classified in Type, "Alicante "
- 42 Julius P. Smith .....  
..... Finest Sweet Wine not classified in Type, "Tokay "
- 42 J. Gundlach & Co..... Finest Angelica, "Vino de Oro "
- 42 Nevis Winery.....: ..... Finest Sweet "Muscatel "
- 45 Stanley Adderly..... Display of Sponges and Natural History Specimens
- 45 Anderson Springs .....  
..... Display of Products and Curiosities of Lake County
- 45 State Mining Bureau ... .. Collection of Mineralogical Specimens
- 45 Thomas Lundy..... .. Pebbles and Fossils
- 45 Wells Fargo & Co..... Exhibit of Pioneer Express Relics
- 45 Mrs. William Kirk..... Display of Native Woods
- 45 J. A. Munz..... Fine Collection of Horns
- 46 Mrs. Emily Roberson, Sacramento County.....  
..... Large and Choice Exhibit of Olive Oil
- 46 Pleasanton Hop Company..... .. Choice Quality of Hops
- 46 San Francisco Produce Exchange..... Exhibit of Natural Products

## CASH AWARDS.

## NATURAL PRODUCTS.

## SACRAMENTO COUNTY—

Most complete exhibit on opening day.....	\$500
Widest range of useful products on opening day.....	250
For best, most extensive and varied exhibit of farm products.	1,000
Best display of rye, in grain and sheaf.....	50
Best display of forage plants and grasses....	100
Second best display of vegetables.....	25
Best display of jellies in glass, home made.....	25
Best display of preserved fruits, home made.....	25
Best display of jams, home made.....	25
Best assortment and quality of pickles.....	25
Best general display of dried fruits by the producer (Mrs. E. Shields).....	200
Best display of California licorice (Isaac Lee).....	50
Fine display of figs, dried and preserved (Mrs. Mary Kerr)...	25
Best display of cheese (Dr. C. Harvey).....	25

## PLACER COUNTY—

Most original and attractive exhibit on the opening day.....	250
Second best display of farm products.....	600
Best display of California raisins (L. H. Carey).....	200
Best display of dried figs (William Foster).....	100

## ALAMEDA COUNTY—

Third best display of natural products....	400
Best display of Chevalier barley.....	15

## HUMBOLDT COUNTY—

Fourth best display of natural products.....	250
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## BUTTE COUNTY—

Best display of wheat, in grain and sheaf.....	100
Best display of barley, in grain and sheaf.....	50
Best display of oats, in grain and sheaf.....	50
Second best display of California raisins (C. L. Durban).....	100
Second best display of cultivated nuts (John Bidwell).....	25
Second best display of dried figs (H. C. Bell).....	50



## SONOMA COUNTY—

Mrs. Francis Purrington :

Best display of corn, in ear and stalk .....	\$ 50
Best display of hops.....	25
Best display of indigenous foods.....	100
Second best display of apples.....	50

## SAN LUIS OBISPO COUNTY—

Best display of apples (J. V. N. Young).....	100
Best general display of vegetables.....	50
J. H. Flickenger :	
Second best display of dried fruits.....	100
Second best display of dried prunes.....	50
Saratoga Packing Co.—Best display of dried prunes.....	100
F. P. McLennan—Best display of wool.....	50
A. T. Hatch—Best display of cultivated nuts.....	50
J. L. Souther—Display of citrus fruit.....	225

## ART EXHIBITS.

Mrs. Mary Curtis Richardson—Best figure painting in oil.....	\$35
Oscar Kunath—Second best figure painting in oil.....	20
William Keith—Best landscape painting in oil.....	25
Thomas Hill—Second best landscape painting in oil.....	15
R. D. Yelland—Best marine painting in oil.....	20
Norton Bush—Second best marine painting in oil.....	10
E. C. Peixotto—Best genre painting in oil.....	25
Miss M. M. Froelich—Second best genre painting in oil.....	15
Julius Ludovici—Best portrait in oil painting.....	20
Miss Alice B. Chittenden—Best flower painting in oil.....	20
Miss M. E. Nicoll—Second best still life painting in oil.....	10
Oscar Kunath—Best figure painting in water colors.....	35
K. Takahashi—Best landscape painting in water colors.....	25
L. P. Latimer—Second best landscape painting in water colors...	15
K. Takahashi—Best marine painting in water colors.....	20
Mrs. C. P. Payne—Second best marine painting in water colors...	10
Miss Lou Wall—Best portrait in water colors.....	20
Miss Dora Williams—Best flower painting in water colors.....	20
Lillian A. Howard—Second best flower painting in water colors..	10
C. F. Basbee—Best painting on porcelain.....	10

# PREMIUM AWARDS.

125

Miss Carrie Hall—Second best painting on porcelain.....	\$ 5
S. & G. Gump—Best single figure in marble.....	50
C. B. Jackson—Second best single figure in marble.....	25
S. & G. Gump—Best group in marble.....	50
S. & G. Gump—Second best group in marble.....	25
Rupert Schmid—Best plaster cast single figure.....	30
T. B. Jackson—Second best plaster cast.....	20
S. & G. Gump—Best single figure or group in bronze.....	50
S. & G. Gump—Second best single figure or group in bronze. ...	25
Julius Ludovici—Best exhibit pastel drawing .....	20
Oscar Kunath—Second best exhibit pastel drawing. ....	10

REPORTS

FROM THE

Standing Committees and Superintendent

OF THE

Twenty-Seventh Industrial Exposition.

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*Owing to the annual election and change in officers of the Institute occurring shortly after the close of the Fair, several Committee reports have been omitted.*

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BUILDING.

*To the President and Trustees of the Mechanics' Institute:*

GENTLEMEN—Your Committee on Building would respectfully report as follows :

Acting upon the approval of a previous report to your Board, this Committee had a sash and door screen constructed and placed across the main entrance of the Pavilion, for the purpose of enclosing the vestibule, thereby contributing to the comfort of visitors to our Fair at a season of the year when it is reasonable to expect more or less cold and rainy days.

We have also, under the direction of your Power and Machinery Committee, constructed and placed wood flues around the entire auditorium of the Pavilion under the galleries with drops and outlets at various points for conducting and distributing hot air, which, with the vestibule storm-doors, enabled us to keep the building at a temperature that made it comfortable, no matter how cold it was outside.

Soon after the opening of the Fair, another problem requiring to be solved presented itself, viz : as we could see that rain was near at hand, and the question was asked, "What are you going to do with all the umbrellas that will have to be taken care of?" To your Secretary, Mr. Culver, is due the credit of solving the problem; from his suggestion



your committee had a rack constructed with compartments for the accommodation of nearly five hundred umbrellas, on a plan that they could be taken in and checks given or returned and the checks taken up very readily and rapidly and umbrellas returned to the proper owners. This rack is so constructed as to remain a permanent fixture.

In addition to the usual tables on main floor, and the railings in the gallery, we erected stands for the Los Angeles County people, also for the flowers and the State Mining Bureau exhibit.

Your committee considered it dangerous to continue the use of the old stovepipe in the Annex, where the candy is cooked, and had it removed and replaced by a modern, patent flue of terra cotta.

In connection with this report the Gas Inspector makes the following report :

*To the Building Committee of the Twenty-Seventh Exposition :*

GENTLEMEN—I have the honor to report the amount of work done and gas consumed at the Pavillion during the progress of the Exposition as follows :

Owing to the large space occupied by the Citrus Fair, there were less of those exhibits which require the use of gas stoves and burners than there have been in past years. There were also a large number of exhibitors who used the electric light, and this materially lessened the consumption of gas for booths.

The fixtures were in a bad condition when I took charge of the work, and it was necessary to have a number of extra men to assist in the preparation of the same in order that all might be ready for the opening night; by that time, however, all was in readiness, and the evening before opening the entire building was lighted up and the gas tested and found in first class condition.

The total number of burners used was 2,555 against 2,497 last season. The total amount of gas consumed, including six nights before opening, when the citrus people and other exhibitors were required to work nightly in order to prepare for the opening night, was 1,708,700 feet. There were a number of handsome and attractive booths which were inadequately lighted during the day, such as S. and G. Gump & Co. and others, and by the direction of the management I placed large chandeliers therein, connecting with the watch-light lines, in order that they might be given every advantage of proper light. This and the fact that the season was late and days short, thus necessitating the lighting of the Art gallery and the north and south wings in the afternoons, accounts for a large amount of the additional gas used this season as compared with previous years.

The average amount of gas used per day during the Fair, including the six days preceding opening, was 44,702 cubic feet, which, at the rate of \$1.80 per thousand, equals \$80.46 per day.

The gas engine required at the aquarium for pumping water into the tanks, was running almost constantly, day and night, and consumed at least 400 feet per day, or a total of 25,920 cubic feet in the entire time of operation, at a cost of \$46.65. There were also three gas engines in the machinery department which were furnished gas free as power.

The tools purchased at the opening of the Fair, all old material, new material returned after use in the building, and all property of the Institute appertaining to this department, was taken in charge by me and segregated and placed in the proper receptacles in the basement after the close of the Fair. All extra burners were removed, reflectors taken down, pipes disconnected where not required, fittings removed therefrom, and all placed in order so that they might be used at any future time whenever needed. I locked the door of the store-room containing this material and handed the key to the janitor in charge.

Respectfully,

THOS. O'BRIEN.

Gas Inspector.

San Francisco, March 1st, 1893.

The various items of expense will be found under the proper heading in the report.

Respectfully submitted,

ANDREW WILKIE,  
D. A. MACDONALD,  
OSCAR LEWIS.

Committee.

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## PRINTING AND ADVERTISING.

*To the President and Managers of the Twenty-Seventh Exposition:*

GENTLEMEN—

The usual course of advertising exclusively in the city papers was pursued by your committee, and to the good will and general notices of the Press in a great measure is due the popularity and success of the Exposition. The preliminary notices and circulars were issued in due time, but the change in dates made the expense of this department much greater than it otherwise would have been.

The necessary double, single and employees' tickets were printed and turned over to the Ticket Committee, including those of the single admissions, which were changed daily.

The receipts from the sale of art gallery catalogues was somewhat in excess of the cost of printing. A list of all the expenditures will be found in the financial report.

Respectfully submitted,

HENRY T. BUSH,

S. J. HENDY,

FRANK DALTON,

Committee.

## PRIVILEGES.

*To the President and Trustees of the Mechanics' Institute :*

GENTLEMEN—Your Committee on Privileges are pleased to present the following favorable report on affairs connected with that department :

The amount received was in excess of our expectations, and we believe the holders were generally satisfied. The following are the names and amounts received :

Sparrow Bros., Candy, Soda and Ice Cream.....	\$2,216 37
O'Leary, J., Newspaper.....	1,000 00
Duncan & Co., Account-book.....	50 00
Dingley, C. D., Lemonade.....	100 00
Dobbin, A. J., Roasted Flour.....	5 00
Ciphers, D. S., Popcorn... ..	375 00
Hughes, C. F., Optical Goods .....	135 00
Knight, G. H., Photographs .....	75 00
Thompson, M. G., Microscopes....	160 00
Krueger, J. H., Canes.....	25 00
Breen, Kate M., Jewelry.....	105 00
McKee, J. L., Saratoga Chips.....	25 00
Marceau, Theo. C., Photo Coupons.....	100 00
Laity, A., Wire Jewelry.....	85 00
McNiece, Mrs. G., Flowers.....	40 00
Robertson, W. H., Little World.....	500 00
Roltair, H., Optical Illusions.....	550 00
Evans, J. G. Glass Engraving.....	75 00



Parker, G. W., Pottery .....	10 00
Douglass, A. H., Pictures.....	50 00
Steiger, W. H., Restaurant.....	205 00
Scott & Gilbert, Sassafras Sour and Ginger Ale.....	400 00
Jacobs & Howland, Pictures.....	25 00
Rogers, G. M., Phonograph.....	10 00
Johnson, P. G., Card-writing.....	50 00
Miller, E. F., Silhouettes.....	47 50
Makin, J. M., Postage-stamps.....	25 00
Callustro Co., Callustro.....	50 00
Nichols, Mrs. M., Stilboma.....	25 00
Payne, Mrs. M., Receipts....	25 00
Thompson M'fg. Co., Cherry-Phosphate.....	50 00
Yucca Root Soap Co., Soap.....	25 00
	<hr/>
	\$6,618 87

There were 648 employees' tickets distributed by the Committee, 517 being free, and 131 sold at \$1.50 each, and issued only to parties justly entitled thereto.

Respectfully submitted,

S. J. HENDY,  
ANDREW WILKIE,  
H. T. BUSH,  
Committee.

## REPORT OF THE COMMITTEE ON LOCATION AND POLICE.

*To the President and Board of Trustees of the Mechanics' Institute:*

GENTLEMEN—The undersigned Committee appointed by the Board to attend to all matters pertaining to location of Exhibits and appointment or arrangements for police at the Twenty-seventh Exposition, have to report as follows:

After the plans had been prepared by the Committee and the Superintendent, locating space as they considered most advantageous to all parties interested, a meeting was held by your Committee in order to justify their former consideration of allotments of space, and after due deliberation it was decided to allot the centre of the main floor to the Northern Citrus Fair Association, and a space sixty feet wide with a twenty-foot aisle through the centre of the same, was laid off, extending

from the main entrance back to a point immediately under the line of the west gallery rail. The work of apportioning the balance of the exhibits was then taken up, and we found the outlook entirely satisfactory in regard to the filling of the Pavilion with creditable displays.

After the vacating of the building by the lessees who had held entertainments therein, the Committee took charge of the laying out of the floors and galleries, and the work was rapidly prosecuted and finished in a remarkably short time, and the work of erecting booths was commenced in earnest.

The original plans were deviated from in a number of instances in order to allow of a better arrangement for the Citrus display, especially in regard to the erection of the "Rock of Ages" by the Butte County Committee. All former regulations in regard to aisle ways, etc., were temporarily suspended, and the Butte County people were allowed to erect a large structure facing the main aisle and extending upward to a point over twenty feet above the gallery rail, and forty feet in width. This feature proved to be one of the great drawing cards of the Exhibition, and was the centre of attraction and interest each evening at the time the ascension scene was taking place. We therefore believe that it was a wise move in the right direction when we took the step and allowed the erection of the display in this instance.

Considerable latitude was allowed the various exhibitors in the matter of making their plans for displays, and they were all energetic in the progress of their arrangements, and the number of handsome and attractive booths was far in advance of any exhibition for some time past. The Band-stand was placed about twenty feet to the west of the usual location on account of the arrangements of the Citrus display, and a substantial structure erected for that purpose by the Building Committee. The cross aisles were made ten and twelve feet wide, and the centre aisle twenty feet, with side aisles ten feet wide, allowing plenty of room for the passage of pedestrians. Several of the Citrus exhibits were arranged so that there were passage ways through them, adding to the amount of room, and there was a noticeable absence of crowding in any part of the building.

The detail of the watchmen to their stations was left to the discretion of the Superintendent, and they were placed by him to the best advantage in the various parts of the Pavilion and drilled in their multifarious duties, giving general satisfaction in all respects.

The Chief of Police, in response to a request from the Chairman of this Committee, detailed regular office W. E. Donnellan, who was also in charge of the police at the Twenty-sixth Exposition, and with him officer Young, as the regular detail of officers at the Pavilion during the

progress of the Fair. To these efficient officers the thanks of the Committee are returned for their gentlemanly and courteous manner and obliging assistance to the visitors, exhibitors and management, and for their prompt and faithful attention to their duties. To Chief Crowley, of the Police of this City, we also desire to express our thanks for furnishing us such efficient men. The personnel of the Pavilion police, or watchmen, was very satisfactory, and the men evinced considerable interest in their duties and showed themselves thoroughly efficient and reliable.

The Chairman of this Committee would feel that he had been derelict in his duty unless he had mentioned the valuable advice and suggestions received from the President of the Institute, the Hon. Irwin C. Stump, which materially lightened the work for the Committee.

Respectfully submitted,

D. A. MACDONALD,  
GEORGE CUMMING,  
ANDREW WILKIE,  
Committee.

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## RULES AND AWARDS.

*To the President and Managers of the Twenty-seventh Exposition :*

GENTLEMEN—The first important matter connected with our duties was, in conjunction with the Board, the preparation of a Premium List, which after much labor and many changes was finally adopted. The large, varied and comprehensive Exhibits that were expected for the World's Fair at Chicago did not materialize, and the voluminous Premium List (a copy of the Columbian Exposition's) prepared and recommended by Mr. C. B. Turrill, our agent, was not needed.

The Jurors were appointed at an early date this year, but did not prevent the usual dilatory Examination of Exhibits and consequent late receipts of reports, and making it impossible to announce the Awards at the time set forth in the rules. The nature of some articles makes it almost impossible for Jurors to render a just verdict, without taking more time and incurring more expense than they could afford. Generally in such cases they refuse to make any award; then the exhibitors complain, and the Board refers the matter to this Committee. The life of each member is made miserable by his efforts to oblige exhibitors displaying the same article, who differ entirely in the manner of making



and applying tests on which to base the award. The difficulty experienced this year may in a measure be prevented in future by more carefully wording the Premium List.

A full List of Awards and Cash Premiums will be found under the proper headings.

Respectfully submitted,

OSCAR LEWIS,

MARSDEN MANSON,

D. A. MACDONALD,

Committee.

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## TICKETS AND ADMISSIONS.

*To the President and Board of Trustees of the Mechanics' Institute :*

GENTLEMEN: Your Committee, appointed to take charge of the Tickets and Admissions during the Twenty-seventh Exposition have the honor to report as set forth below:

We received from the Committee on Printing, and delivered to the Treasurer, the following tickets, viz.:

5,000 double season tickets, for members only;

1,000 single season tickets, for members only;

and the necessary adult and children's single admission tickets, with printed date, for each day of the Fair. Day-time and evening were different in form and color.

We also delivered to the President the usual number of complimentary tickets of admission, which were intended for presentation to the ex-officers of the Mechanics' Institute and to such others as were entitled to the same for past services and other considerations.

The Press Tickets were made good the same as the double season tickets and subject to the same rules and regulations, and were distributed to the various papers for the use of their representatives. The distribution of these tickets was made as judiciously as possible, and an accurate account kept of the same by the Secretary in a book opened for that purpose.

The identification key used at the last two or three Expositions having proven very satisfactory, was adopted by this Committee, and we are happy to state that it gave excellent satisfaction and worked admirably. A number of tickets were taken from persons who were not authorized to hold them, through this means, and the system seems to be as good as any that could possibly be gotten up for the purpose.

The Committee has carefully gone over the ticket accounts with the

Treasurer, and have found everything correct, and refer to his report for the account of the sales during the Fair.

The Committee desires to return thanks to the Members of the Board of Trustees who so kindly rendered their aid in counting tickets and for other services and assistance, and to the doorkeepers for their attention to duty and for the manner in which they performed the services assigned to them. We also wish to thank the police officers who were on duty at the door for their promptness and courtesy.

Respectfully submitted,

GEO. E. DOW,  
S. J. HENDY,  
ANDREW WILKIE.

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## MUSIC, DECORATIONS AND ART.

*To the President and Board of Managers:*

Your Committee on Music, Decorations and Art beg leave to report that the matter of music received their early consideration, and out of the large number of propositions, both from local and Eastern talent, recommended the employment of the First Infantry Regiment Band, Charles H. Casassa, leader, who, with forty talented musicians, including soloists of noted ability, gave a first class Instrumental Concert each afternoon and evening, as we believe to the satisfaction of the public. Very liberal offers were made by Eastern bands to secure the contract, but the Committee and Managers deemed it wise to not consider them, and patronize our own, that are undoubtedly equal, if not superior to any to be found elsewhere. Miss May Cook, a young California cornetist, was specially engaged, and appeared alternate evenings. Mr. Casassa was indefatigable in his efforts to please, and deserved the praise that was liberally given him by the Press and patrons of the Fair.

Owing to the large space occupied by the Citrus Fair, and the special attractiveness of their exhibits much of the usual decorations of drapery was dispensed with, and evergreen garlands substituted, as we think, with good effect.

The Art Gallery was in charge of Mr. Norton Bush, whose selection of Paintings and general management was satisfactory to the Management, as also to the artists and the many who kindly loaned us works of art for the Exposition.

Respectfully submitted,

M. A. DORN,  
A. S. HALLIDIE,  
A. W. STOTT,

Committee

## SPECIAL EXHIBITS.

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*To the President and Trustees of the Mechanics' Institute:*

GENTLEMEN: Your Committee on Special Exhibits would respectfully report that their labors began at an early date, and were no sinecure at any time during the Exposition.

In the first place, the desirability and importance of having new and attractive features for the Fair was earnestly discussed by the Board, and finally decided that an aquarium filled with the various species of fresh water fish of California would be new, novel and instructive, and the Committee were empowered to go ahead and prepare the same. As none of its members had had any experience whatever in the construction or care of such tanks, and nothing definite from either persons or books could be obtained to guide us in the labor, we were obliged to depend on our own resources, and after several experiments finally succeeded in producing, as we believe, the most perfect aquarium yet constructed, granting that the glass, its safety and attachments, is the main feature of such novelties.

The filtering and aerating of the water also required much thought and labor before a satisfactory result was obtained, but finally we succeeded, and the fish, mostly obtained through the agency of the California State Fish Commissioners, were shown in a manner that elicited praise and admiration from patrons of the Exposition.

It was a noteworthy fact that though the fish, mostly mountain trout, were of large size and fine varieties, yet, according to the statement of many of our expert fishermen (anglers), they were small and greatly inferior to those caught whenever they chose to display their skill.

Since the Fair the glass has been taken out, and the whole carefully packed and protected from injury, and can at small expense be put in order for future use.

Dr. J.W. Hudson, of Ukiah, kindly offered to place on exhibition his entire collection of Indian baskets and curios, valued at several thousand dollars, if the management so desired. The matter was referred to this Committee, who at once accepted his proposition, and the display, in charge of his daughter, Grace Hudson, was a prominent exhibit in the north gallery of the Pavilion.



Several applications for exhibits not in keeping with the standard of our exhibitions were refused, and we recommend that in all future Fairs great care be exercised to prevent the admittance of anything that partakes of a fake or for which an extra admission is allowed to be charged.

While the cost of the Aquarium has been considerable, yet we believe it increased the attendance at the Exposition, and may be of great benefit in the future.

Respectfully submitted,

GEO. CUMMING,  
J. K. FIRTH,  
OSCAR LEWIS,  
A. W. STOTT.

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## REPORT OF THE SUPERINTENDENT.

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*To the President and Board of Trustees of the 27th Exposition of the Mechanics' Institute :*

GENTLEMEN—I have the honor to present my official report of the Twenty-seventh Exposition.

Upon the call of the President I came here from Chicago, arriving on the 21st day of November last, and immediately took charge of the office and entered upon the duties pertaining to my position. I first made myself familiar with the outlook and found it to be highly encouraging and the number of applications even more than enough to fill the Pavilion. I at once began the preparation of the plans for the main floor and galleries, and as soon as they were ready they were submitted to the members of the Location Committee and approved by them. The matter of allotting space was then taken up and pushed as rapidly as circumstances would allow. Together with Mr. Clark, our Agent, I made a careful selection of the numerous intended exhibits, and we made an estimate of what space was required and recommended the most appropriate and worthy to the attention of the Committee.

The first step made by the Committee was to apportion the space for the uses of the Northern Citrus Fair Association. This space embraced sixty feet in the center of the main floor and extended the entire length of the hall. Through the immediate center was left a main aisle twenty feet wide, which was found to be ample, as the peculiar construction of the Citrus displays allowed of passages through and around them, thus adding to the space for pedestrians. The allotment of the remainder of

the exhibits was a comparatively easy matter, as there were so many applications to choose from, and the majority were desirable and worthy.

On the 10th day of December Mr. Clark and myself removed to the office at the Pavilion in order that all matters relating to the Exposition might be transacted with greater facility. The wisdom of this move was made apparent at once, as the number of intending exhibitors who called was large and we were constantly busy in making arrangements with them for their intended displays.

Soon after the holidays the officers of the Northern Citrus Fair Association took up their headquarters at the Pavilion, and as soon as the floor was made ready for use they began their preparations for the erection of their booths and buildings. The Pavilion was thoroughly cleaned and, wherever necessary, by direction of the President, I had whitewash applied. The fire apparatus was carefully inspected and placed in good order, electric alarms prepared and every precaution taken to prevent the occurrence of fire or damage of any description to the building or exhibits. Through the courtesy of the late Capt. Russell White of the Underwriters' Fire Patrol, I was enabled to obtain the loan of a number of rubber covers, which were kept in the Pavilion and used on several occasions, for the protection of goods in danger of damage from leaks. These covers were returned in good order at the close of the Fair, and I desire to hereby thank the officers of the Patrol therefor.

By united effort and exertion of all the officers of the Citrus Association and the Institute; and the faithful performance of their work by employees, we were enabled to open the doors of the Pavilion to the public at the appointed time, and there was presented to their view one of the most complete representations of our State Industries ever seen on the opening night for many years.

Owing to the peculiarity of arrangement and the latitude allowed exhibitors in the building of their booths and stalls, the general view of the building was somewhat obscured, and upon careful consideration I found it necessary, for the proper protection of goods and exhibits, to recommend the appointment of more watchmen than there were at the 26th Exposition. The request was complied with, and as soon as the full quota was appointed I placed them on regular beats and distributed them throughout the building to the best possible advantage. The day-watch was put in charge of Mr. J. T. Jackson, and the night-watch was under the supervision of Mr. M. Dugan, who served as Sergeant during the 26th Exposition. The men were constantly drilled and instructed in their duties, and that they performed them creditably is apparent in the fact that there were fewer complaints than ever before, of losses or damage, and the building was at all times presentable and clean, although the amount of work made necessary by the constant changing



and re-arrangement of exhibits was much more than usual. It required the united effort and constant attention of all concerned to keep the aisles clean, especially as there was so much mud and dirt tracked in by reason of the rainy season.

During the first weeks of the Fair there were numerous complaints of pocket-picking, and I immediately took steps to break it up. I became convinced, from the similarity of the cases, that the work was being done by the same person or persons, and directed Police Officer Donellan to look into the matter and stop it at any cost. He was successful in this respect, and after one or two arrests there were no more complaints. The watchmen were also very vigilant, and it was with their assistance that the persons were caught and arrested.

As recommended in my report of the 26th Exposition, and acting by advice of the proper committees, I had a number of order blanks prepared for the use of exhibitors desiring work performed by the employees of the Institute, and to prevent any dispute of charges when the bills were presented. They answered the purpose very well and there was very little complaint of charges, etc., but experience leads me to believe that the only true solution of the problem of collections of this nature is to demand prepayment, or at least a deposit sufficient to cover the cost of the work and material. The fact that the work is done at actual cost and for the benefit of the exhibitors entirely, no profit whatsoever being made by the Institute, would make the matter easy to take care of in the above manner, as exhibitors would be charged exorbitant rates by outsiders if they could not obtain the necessary labor inside the Pavilion.

During the erection of the booths all employees of the Exposition were carefully instructed to be constantly upon the alert to prevent driving of nails in the floors, and to stop any attempt to disobey the rules in this respect, and regarding smoking in the building. Large signs were posted warning all concerned against the latter, but it is a very difficult matter to enforce orders that are often disregarded by some of the Directors themselves.

One of the most satisfactory features of the Twenty-seventh Exposition was the number of exhibits in which work was performed by skilled workmen, and the manufacture of silk goods, jewelry, wire work, engraving of glass, preparation of leather, and other interesting features of this class was shown each day and evening.

As an instructor of the people in regard to the many advantages and resources of our State the 27th Exposition stands Number One, and is so conceded by all who witnessed the collection of products and manufactures exhibited therein during its progress. Being a preliminary exhibit of the Columbian Exposition at Chicago there were a large number of representative people present, among whom were the Consuls of a



number of the South American nations and others who made a thorough and systematic inspection of the various minerals, products and manufactures on exhibition. Numerous requests were tendered for copies of the Report of the Exposition, in order that they might be forwarded to their respective Governments, and I respectfully recommend to your Honorable Board that such action be taken and that copies of the Report be furnished to each of the Consuls located in this city, as soon as they are ready for distribution.

I would respectfully suggest the advisability of employing some more systematic arrangements in the appointment and supervision of employees during the Fairs, as in any regular business they would all, without exception, come directly under the control of the Superintendent, whether the appointments were made by him or others. The fact that employees are appointed and assigned to duty without the knowledge of the Superintendent at the time, led to errors and confusion in the matter of properly attending to the keeping of time of such employees. The only proper method is to immediately notify the Superintendent and allow the notification of appointment to emanate from his office. I merely make this a suggestion, and purely in the interests of good service and the satisfactory carrying out of the business of Expositions.

Immediately upon the close of the Fair, February 18th, the clearing out of the building began and the work was energetically carried on until the floors were ready for occupancy by the succeeding entertainments. The large pieces erected by the citrus people were cumbersome and required a good while to remove, and as the lumber in them was given to the Institute for the removal thereof, I had it carefully taken apart, and that portion which was available and useful was piled in one part of the Machinery Department, and the refuse stored near the entrance of the fire-room, where it might be utilized at any time it was needed for firing up the boilers. The number of men retained to perform this work was greater than last season, but no more were kept than were absolutely necessary, and economical methods were used as far as possible under the circumstances, and I trust the expense may not be considered unwarranted.

The exhibits of the various counties, which were intended for the World's Fair, were all packed by the representatives of the same and were stored, according to agreement, in separate parts of the Machinery Department, until taken in charge by the Local World's Fair Commission and forwarded to Chicago. All interested understood perfectly that all such goods were stored at their own risk, and that the Mechanics' Institute was in no way responsible for damage or loss to the same.

There are a number of persons and firms who have been in the habit

of storing goods in the building during the time it is not used for Exposition purposes, and these people were, by direction of the Committee on Building, personally notified by me that all such goods stored or allowed to remain in the Pavilion hereafter were subject to storage charges; no exception being made unless duly authorized by the Board of Trustees.

Good order, decorum, and general satisfaction, were features of the Twenty-seventh Exposition, and I am fully of the opinion that we were as free from dissatisfaction in regard to the conduct of the same, as a whole, as could possibly be expected.

I desire to extend my thanks to the members of the Board of Trustees, Secretary Culver, and all connected with the Exposition for their uniform courtesy, assistance, good advice and counsel, and trust that future Fairs may redound to the credit of the Mechanics' Institute, as those gone before have done.

I remain, gentlemen,

Yours respectfully,

H. A. GRAVES,

Superintendent.













**DATE DUE**

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